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NAVY MEDICAL RESOURCE PLANNING: RATES OF ILLNESS FOR VARIOUS OPERATIONAL THEATERS

Christopher G. Blood
William M. Pugh
Debra K. Griffith
Corazon B. Nirona



Medical Information Systems Department
Naval Health Research Center
P.O. Box 85122
San Diego, CA 92138-9174

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SUMMARY

Investigation of disease and non-battle injury (DNBI) data available for medical resource planning yielded three separate sources: 1) shipboard sickcall data collected by Naval Health Research Center between 1967 and 1979, 2) Monthly Morbidity data stored at the Naval Medical Data Services Center, and 3) Inpatient Medical Histories maintained at NHRC. Sickcall data across Navy ships yielded an overall rate of 11.2 per 1000 strength per day; specific geographical areas ranged from 8.8 to 11.9. Monthly Morbidity data indicated an overall shipboard rate of 11.9 with rates for various theaters ranging from 8.6 (Southwest Asia) to 21.8 (Southeast Asia). Shore station morbidity rates varied from 10.2 to 22.6. Hospital admission data yielded an overall afloat rate of 0.203 and an ashore rate of 0.315. A patient encounter system that would allow a wider range of illnesses to be recorded, distinguish between Navy and Marine personnel, and indicate illness disposition is needed. (KT)

NAVAL MEDICAL RESOURCE PLANNING: RATES OF ILLNESS FOR VARIOUS OPERATIONAL THEATERS

Introduction

undertaken are greatly affected by the health of the constituent personnel. Optimal levels of readiness for forces afloat and ashore can be maintained only if the number of crewmembers incapacitated due to illness is minimized. Accordingly, a great deal of emphasis is placed on medical resource planning so that the appropriate medical personnel and supplies will be on-hand to meet health demands as they occur. To enhance the capabilities of the DOD services in this area the Deployable Medical Systems (DEPMEDS) project was initiated 1. Specifically, DEPMEDS is the capability to set up a fully supplied field hospital. These hospitals will be outfitted with standardized equipment designed to be easily transportable and function at a permanent site.

Clearly, the effectiveness of medical resource planning is dependent on the reliability of the disease and injury rates that are used by the DEPMEDS project to determine personnel and supply requirements. Rates of medical disorders will be used in conjunction with an algorithm devised to indicate hospital areas (e.g. operating room, pharmacy, wards) needed, specialized care within a functional area (such as neurosurgery) required, the time necessary to attend to the patient conditions, and actual medical supplies (bandages, drugs, etc.,) in demand ². These formulae, developed by personnel at the U.S. Army Academy of Health Sciences, Fort Sam Houston, Texas, also predict the rate of hospitalization given a known incidence of disorders.

Previous research has indicated that a substantial number of personnel are incapacitated during military operations by disease and non-battle injuries (DNBI)³⁻⁵. Palinkas and Coben indicated that for every 100 Marines hospitalized for a combat-related wound or injury in Vietnam, 128 were hospitalized for a disease or non-battle injury. Although knowledge of hospitalization rates is important to medical planning, the numbers of outpatient visits for various illness categories also have a significant impact on medical personnel and supplies needed.

The need exists for DNBI rates of Navy and Marine forces, both afloat and ashore, in Northeast Asia, Southwest Asia, and Europe so that various operational scenarios may be evaluated. The purpose of this investigation then, is threefold: 1) to determine the available data sources for computation of DNBI rates, 2) to provide DNBI rates for those personnel and areas where data exists, and 3) to make recommendations for the implementation of a system whereby credible DNBI rates would continually be available.

Method

An appraisal of the medical information sources available for both numerator (illness) data and denominator (overall population) data yielded three separate bases of information. The first set of sickcall data is from a series of investigations $^{6-12}$ undertaken at the Naval Health Research Center between the years of 1967 and 1979 which recorded outpatient visits during various ship deployments. The second source of illness data is a product of the Medical Services and Outpatient Morbidity Reporting System 13. The monthly morbidity reports, as they are commonly known, are completed by each reporting facility and maintained at the Naval Medical Data Services Center, Bethesde, Maryland. The third source of data is the medical inpatient historical files maintained at the Naval Health Research Center. The data on these files contain hospitalization records of Navy and Marine personnel which are obtained annually from the Naval Medical Data Services Center and are then compiled into chronological histories for each hospitalized individual. Each of these three databases will be further described in detail. Complementing the medical inpatient files is the Service History database maintained at NHRC which details each active duty service member's personnel record and indicates the Unit Identification Code (UIC) to which he is attached. history database allows illness rates to be calculated by providing the populations for each Unit Identification Code. Additionally, Command History data maintained at the Naval Historical Center, Washington, D.C. were used to determine ship deployment locales and time frames.

All illness and hospitalization rates are computed per 1,000 strength per day. Separate rates were computed for Northeast Asia, Southeast Asia, Southeast Asia, and Europe. The location of afloat populations was defined to

be Northeast Asia whenever a ship was operating in the waters around Japan and Korea. Similarly, the area of operation was defined as Southeast Asia whenever a ship was operating in the area south of Hong Kong and extending to the Philippines and their immediate environs. Ships were determined to be in Southwest Asia if they were operating in the Arabian Sea, the Red Sea, or the Persian Gulf and considered to be in Europe if they were in the Mediterranean or the waters from the Strait of Gibraltar through the North Sea up to the Norwegian Sea. For shore facilities, Northeast Asia DNBI rates were based on data from Japan; Southeast Asia rates were based on data from the Philippines; Southwest Asia data was obtained from Bahrain; European data came from facilities in Spain, Italy, Greece, United Kingdom, Scotland, and Wales.

Sickcall Data

Shipboard sicklog data recorded for each outpatient visit were collected by NHRC personnel during various deployments in the time frame 1967 - 1979. These data were recorded on forms designed to be easily coded so that the burden on medical department personnel would be minimal. The data in these investigations has been converted to the NHRC illness format which corresponds to the diagnostic nomenclature of the Ninth Revision of the International Classification of Diseaser Adapted for Use in the United States (ICD-9). In order to provide accurate rates for specific theaters of operation, only those months of deployment in which the ship remained in the specific target area were used. The target areas for the sickcall data include: Northeast Asia, Southeast Asia, East Asia, and Europe; East Asia data represents illness information collected from ships shuttling between Northeast Asia and Southeast Asia during a given time frame.

Monthly Morbidity Data

The Medical Services and Outpatient Morbidity Reporting System has undergone an expanded revision since its inception in 1971. So that an accurate assessment of the monthly morbidity data might be obtained, information from two time periods will be reported in this study. The most recent available morbidity data is from 1985 and is used for one set of illness rates. A second set of data from the mid 1970s is included so that consistency within this reporting system might be gauged as well as any illness trends delineated. Shipboard illness rates for this second time slice

come from 1975 data; shore facilities reported on a regional basis rather than for individual clinics until the following year. Therefore, shore facility rates are reported for 1976. The monthly morbidity forms collect illness data in accordance with the major illness categories within the ICD-9 schema along with a few select subcategories of disease. For the purposes of this investigation, these data have been coded to the NHRC disease reporting format. Similar to the sicklog reporting, all shipboard morbidity data represents illnesses and time periods strictly limited to months within a target area.

Rospitalization Data

As with the morbidity data, hospitalization rates are provided for the years 1985 and 1975. Each reporting facility records the hospital admission in accordance with the requirements set forth in the instructions of BUMEDINST 6300.3B (Inpatient Data System)¹⁴. The data maintained at NHRC corresponds to the ICD-9 diagnostic classifications. Shipboard hospitalizations were those that occurred within the time frame that the ship was deployed within a specific target area.

For all three data sources only the initial visit for a specific illness per individual enters into the rate calculations; no follow-ups or revisits for the same illness are used in the disease tallies. Ninety-five percent confidence limits have been provided for all illness rates to indicate the degree to which a rate might be likely to fluctuate under similar conditions.

RESULTS

Sickcall Data

Outpatient rates for all major disease categories as well as those subcategories that appeared on all forms used in the previous studies are displayed in Table 1. Illness data from 43 ships are used in this table; the ships included 10 destroyers, 10 frigates, 2 cruisers, 15 amphibious ships, 1 battleship, and 5 carriers. The most frequently occurring categories of disorders were respiratory system, infective and parasitic, and accidents. Though data for subcategories within the accident category were not available

for all ships, most prominent were strains and sprains, open wounds, burns, and fractures. Total man-days for this sample were 2,818,091.

Sickcall data for ships deployed to Northeast Asia were based on illnesses from five amphibious vessels. Table 2 indicates that the most prevalent disorders were respiratory, accidents, and skin disorders. Rates for these data are based on 97,077 man-days.

Southeast Asia rates are based on illnesses collected from ships which included four frigates, two destroyers, one cruiser and one carrier. Table 3 indicates that the most prevalent categories of sickcall visits were respiratory, infective and parasitic, and accidents. Man-days across these eight ships were 365,753.

Nineteen ships consisting of three destroyers, two frigates, ten amphibious, one battleship, and three carriers composed the East Asia shipboard sample shown in Table 4. Respiratory, infective and parasitic, and accidents were the most prevalent disorders. Total man—days were 1,468,398.

Illness rates for ships deployed to Europe are displayed in Table 5. Respiratory illnesses, followed by accidents and skin diseases were responsible for the most sickcall visits. There were a total of 886,863 mandays across the 11 ships in this sample which consisted of 5 destroyers, 4 frigates, 1 cruiser, and 1 carrier.

Morbidity Data

Overall shipboard rates based on monthly morbidity reports for 1985 and 1975 are shown in Table 6. The 1985 sample consisted of ten destroyers, nine frigates, five cruisers, two amphibious, and three carriers that were deployed to Asia, Europe, and the Indian Ocean. Total man-days were 1,032,482. The earlier sample which yielded the overall 1975 rates included seven destroyers, ten frigates, three cruisers, three amphibious, and seven carriers which were deployed to Asia, Europe, Indian Ocean, and the Caribbean. There were 2,465,781 man-days in this sample. Respiratory and infective/parasitic disorders were the most prevalent for both time periods.

Illness rates for Northeast Asia are displayed in Table 7. The 1985 rates are based on a single amphibious ship representing 13,380 man-days; rates for 1975 are from a frigate, an amphib and a carrier comprising 148,130 man-days. The most recent sample indicated that accidents and musculoskeletal disorders were most prevalent contrasting with respiratory and infective in the earlier sample.

Shipboard rates from vessels deployed to Southeast Asia are indicated in Table 8. One destroyer and one frigate accumulating 26,179 man—days make up the 1985 sample. The 1975 sample consisted of 351,502 man—days from one destroyer, four frigates, one cruiser, and one carrier. For both time frames infective disorders were the most prevalent followed by respiratory diseases.

Disease rates for ships deployed to East Asia appear in Table 9. Three frigates and one amphib constitute the 1985 sample (58,145 man-days) while two destroyers, two frigates, two amphibious, and three carriers make up the 1975 data (1,120,003 man-days). Respiratory and infective disease were the most frequently occurring for both samples.

Shipboard illness rates for Southwest Asia are presented in Table 10. Total man-days aboard the five destroyers, one frigate, and one cruiser in the 1985 sample were 84,585; the 1975 sample consisted of one destroyer and one frigate representing 22,134 man-days. Respiratory and infective disorders were most prevalent in the latest sample while respiratory, skin, infective, and accident categories were all high in the 1975 data.

The final shipboard morbidity rates, seen in Table 11, are those for Europe. The 1985 data consisted of two destroyers, three frigates, three cruisers and one carrier (man-days = 333,389); rates from 1975 come from a single destroyer, two frigates, two cruisers, and two carriers (man-days = 807,862). Respiratory disorders and accidents were the most frequently occurring categories for 1985, while ten years earlier the categories of respiratory and infective/parasitic were most prevalent.

Overall Morbidity Rates across Navy Shore stations for 1985 and 1976 are shown in Table 12. The 1985 sample consists of shore stations in Japan,

Bahrain, Diego Garcia, Spain, Italy, Greece, Scotland, Wales, and Iceland totalling 6,501,554 man-days. Data for the 1976 overall rates comes from Japan, Bahrain, Spain, Italy, and Greece which represents 5,151,418 man-days. Accidents and respiratory disorders were the most frequently occurring categories in 1985 while a decade earlier respiratory and musculoskeletal disorders were most prevalent.

Navy ashore morbidity rates for Northeast Asia (Japan) are presented for the two time periods in Table 13. Man-days for the 1985 sample total 1,453,098 and consist of units from Yokosuka, Atsugi, and Sasebo. Man-days for the 1976 data sum to 1,107,612 and originate from units attached to the same three locations. Accidents, nervous system disorders, and skin diseases were most frequent in 1985; respiratory disorders, accidents, and musculoskeletal problems were the most prevalent reasons for outpatient visits in 1976.

Morbidity rates for Marine Shore stations in Northeast Asia appear in Table 14. The 1985 data represent 10,294,460 man-days for units in Iwakuni and Okinawa while the 1976 sample represents 1,804,359 man-days for units in Iwakuni. The 1985 rates are suspiciously low, and further analyses are needed to verify them; the 1976 data indicate that respiratory and musculoskeletal disorders were most frequent.

Illness rates for the Navy shore stations in Southwest Asia (Bahrain) are shown in Table 15. The man-days for 1985 and 1976 are 14,274 and 37,698, respectively. Respiratory diseases were the most frequent illness category for both samples with 1976 showing a particularly high rate.

Morbidity rates shown in Table 16 represent the illnesses occurring at Navy Shore stations in Europe for the two time frames. The 1985 sample consists of units from Rota (Spain), Naples and Sigonella (Italy), Souda Bay and Nea Makri (Greece). Brawdy (Wales), and Edzell (Scotland) while the 1976 data were available for units in Rota, Naples, Sigonella, Nea Makri and Souda

Bay. The man-days for the samples were 3,782,232 and 4,006,108. Respiratory disorders were most prevalent for both samples with accidents second most frequent in 1985 and musculoskeletal disorders following respiratory in the earlier sample.

Hospitalization Data

Hospital admission rates across Navy ships in 1985 and 1975 are presented in Table 17. The most recent sample represents 10 destroyers, 12 frigates, 4 cruisers, 8 amphibious, and 3 carriers deployed to Asia, the Indian Ocean, and Europe (939,669 man-days). The 1975 data comes from 8 destroyers, 10 frigates, 4 cruisers, 9 amphibious, and 6 carriers deployed to Asia, the Indian Ocean, Europe, and the Caribbean (1,837,592 man-days). The most frequently occurring categories of hospital admissions for 1985 were symptoms and ill-defined, accidents, and behavioral (mental) disorders; the most prevalent admissions a decade earlier were for the categories of infective and parasitic, genitourinary, and accidents.

Rates of hospital admissions for ships confined to East Asia appear in Table 18. The 1985 sample consists of one destroyer, four frigates, and seven amphibs representing a total of 247,128 man-days. The data of the 1976 sample comes from three destroyers, seven frigates, two cruisers, eight amphibious, and four carriers totalling 1,208,780 man-days. The most frequent admissions in 1985 were for behavioral disorders while the 1975 data yield highest admissions for infective and parasitic disorders and genitourinary problems.

Admission rates for ships deployed to Southwest Asia are seen in Table 19, and reflect the relatively low occurrence of hospital admissions generally found among deployed ships. Four destroyers, two frigates, and one cruiser make up the 1985 sample (man-days = 97,195) while the 1976 data comes from one destroyer and one frigate (21,142 man-days).

Hospital admissions required for crew members aboard ships deployed to the European theater are presented in Table 20. The 1985 sample consists of three destroyers, five frigates, two cruisers, one amphibious, and one carrier. Ships of the 1975 sample consist of two destroyers, two frigates, two cruisers, one amphibious, and two carriers. Total man-days were 305,131

and 591,840 respectively. Hospitalizations for the diagnostic category of symptoms and ill-defined were most frequent in 1985 while the most prevalent admissions in 1975 were for accidents.

Overall, hospital admission rates for samples of Navy shore stations appear in Table 21. The 1985 data is composed of units attached to shore facilities in Japan, Philippines, Bahrain, Diego Garcia, Spain, Italy, and Iceland (man-days = 2,547,700). The 1975 sample is from personnel stationed in the same areas plus Greece and the United Kingdom and represents 2,780,205 man-days. Pregnancies, behavioral disorders, and accidents were the most frequently occurring reasons for hospitalizations in 1985 while behavioral problems and accidents provide the most admissions in 1975.

Hospital admissions for Navy shore stations in Northeast Asia (Japan) are shown in Table 22. Both the 1985 and 1975 data came from units in Misawa, Yokosuka, and Hanza. Admissions were low in both samples with behavioral disorders, pregnancies, and musculoskeletal problems most prevalent in 1985 and accidents most frequent ten years earlier. The man-days for 1985 were 310,615 and for 1975, were 347,115.

Table 23 is a presentation of the admission rates for Southeast Asia (Philippines). Both time samples represent units in Subic Bay (1985 man-days = 552,245; 1975 man-days = 643,860). Accidents, digestive disorders, and infective and parasitic diseases were the most frequently recorded diagnoses in 1985; accidents and behavioral disorders provided the most admissions in 1975.

Hospitalization data for Southwest Asia (Bahrain) as presented in Table 24 are sparse. Man-days for 1985 were 29,200 and for 1975 were 8,030. No hospitalizations occurred for the 22 personnel stationed in Bahrain in 1975.

Rates of hospital admissions for European shore stations are shown in Table 25. Units within the 1985 sample were attached to Rota, Sigonella, and Naples (man-days = 1,163,985), while units from the 1975 data were stationed at Rota, Naples, Sigonella, San Vito, Souda Bay, Athens, Nea Makri, Edzell, London, and Brawdy (man-days = 1,283,340). Pregnancy was the most common

category of admissions in 1985 while accidents and behavioral disorders were most common in 1975.

The final table (Table 26) indicates the hospital admissions for Marine shore stations in Europe (Italy). These data are for 1984 and come from units stationed in Sigonella ani Naples (man-days = 79,935). The most frequent admissions were for accidents.

DISCUSSION

The need for accurate injury and illness rates to ensure adequate medical resource planning has been stated. To meet this need, the present investigation was undertaken to assess the present sources of illness information. However, it must be realized that past illness patterns may only roughly approximate future health trends.

The sickcall data collected between 1967 and 1979 were the most consistent across ships and likely yielded highly accurate rates for that time period. The overall rate of 11.2 visits per thousand strength per day appeared reasonable and the rates for various geographical areas fall within a fairly restricted range (8.8 - 11.9). The two main drawbacks to the sickcall data were that they were not current and they did not provide frequencies for a large number of specific diagnoses.

The morbidity reports were a valuable source of illness information in that they were filed monthly for all ships and shore clinics. It is interesting to note that the overall Navy Afloat rate (11.9) calculated from the monthly morbidity reports was very similar to that attained through the independently collected sickcall data. However, among the 1985 shipboard morbidity data a wider variation was evidenced for the geographical regions (8.6-21.8). With the exception of a suspiciously low Marine facility rate, the rates for 1985 shore stations varied a similar amount (10.3-22.6).

Although the morbidity form was expanded in 1979 to cover a broader range of illnesses there are still a large number of specific disorders that can not be tallied. Additionally, the method in which the form is completed leaves open the possibility of inaccurate statistics. Typically, at the end of a

reporting month a member of the medical department must read through the sicklog and count all the visits to sickbay. With crew size aboard ships ranging from two hundred to several thousand this represents a formidable task. In addition to errors that may result from the sheer volume of sickcall visits, differentiation of new cases from revisits is not always easily discernible. Another insurmountable problem with the current system is that although strength of Navy personnel and Marine personnel are recorded separately the illness information for both service branches are grouped together. This method of reporting does not allow for rates to be computed individually for Navy and Marine forces unless the reporting facility is composed solely of Navy or Marine personnel.

The inpatient reporting system appears to provide a highly accurate method for determining hospitalization rates for Navy personnel. The hospital admission database contains information on the unit to which each hospitalized individual is attached and allows for afloat and ashore rates to be computed. One problem that does exist with the inpatient system concerns the accuracy with which Marine hospitalization rates may be calculated. Instructions for filling out the inpatient admission record 14 state that the Identification Codes for hospitalized personnel may be found in the Navy Comptroller Manual. While this is true for Navy personnel, it does not apply to Marine personnel. Consequently, the Marine hospitalization records contain both accurate Reporting Unit Codes (RUC's) for Marine facilities and inaccurate Unit Identification Codes of Navy facilities in the same area. It is a difficult if not impossible task to determine to which RUC a hospitalized Marine was actually attached.

Currently efforts are being undertaken at NHRC to address some of these problems. A Patient Encounter Form has been designed that will 1) allow illness rates to be determined for a wide range of illnesses, 2) distinguish illnesses for Navy and Marine forces separately, taking into account that Marines embark and disembark from ships at irregular intervals, and 3) indicate the disposition of an individual that reports to sick bay. Also, a database and query system are being developed that have the capability of providing rates for numerous theaters of operation over a wide range of time. Additional reports forthcoming from the present investigation will deal with

the disposition for various categories of illness, rate differences among ships deployed in hostile/non-hostile environments, and differences in illness rates as a function of ship size.

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TABLE 1. SICKCALL DATA ACROSS U.S. NAVY SHIPS, 1967 - 1979

	mult I.	SICKAL DIA AZOS	U.J. 141	,	NI - 131.	
		FREQU	ENCY	LOWER LIMIT	*RATE	UPPER LIMIT
INFECTIVE AND PARASITIC		5	192	1.792	1.842	1.892
DIARRHEA		_	119	0.374	0.397	0.420
DYSENTERY/ENTERITIS			141	0.042	0.050	0.058
SEXUALLY TRANSMITTED DISEASES			356	0.802	0.836	0.870
LERMATOPHYTOSIS			565	0.218	0.236	0.254
NEOPLASHS			15	0.003	0.005	0.008
ENDOCRINE, NUIRITIONAL & METABOL	IC		76	0.021	0.027	0.033
BLOOD & BLOOD FORMING ORGANS			24	0.005	0.008	0.012
BEHAVIORAL		:	580	0.189	0.206	0.223
ALCOHOL ABUSE			48	0.012	0.017	0.022
NERVOUS SYSTEM & SENSE ORGANS		12	239	0.415	0.440	0.464
OTTTIS MEDIA/OTTTIS EXTERNA		7	765	0.252	0.271	0.291
CIRCULATURY SYSTEM		1	100	0.028	0.035	0.037
RESPIRATORY SYSTEM		87	751	3.040	3.105	3.170
UPPER RESPIRATORY INFECTION		46	570	1.610	1.657	1.705
NASOPHARYNGTTIS/PHARYNGTTIS		21	194	0.746	0.779	0.811
INFLUENZA		7	723	0.238	0.257	0.275
DICESTIVE SYSTEM		18	362	0.631	0.661	0.691
CENTIOURINARY SYSTEM		23	371	0.808	0.841	0.875
URETHRITIS (NON-SPECIFIC)		15	534	0.517	0.544	0.572
PREGNANCY, CHILDBIRTH & PURRPERT	UM		0		0.000	
SKIN & SUBCUTANBOUS TISSUE			754	1.290	1.332	1.375
CELLULITIS		2	272	0.085	0.097	0.108
DERMATTTIS		7	736	0.242	0.261	0.280
MISCHOSKELETAL SYSTEM		17	50	0.592	0.621	0.650
CONGENITAL ANDMALIES			15	0.003	0.005	0.008
SYMPTOMS & ILL-DEPINED		11	.30	0.378	0.401	0.424
HEADACHE		5	42	0.176	0.192	0.208
ACCIDEN'S, POISONINGS, & VIOLENCE	E	47	04	1.622	1.669	1.717
TOTAL		31,5	63	11.077	11.200	11.323

^{*}rates are per 1,000 strength per day.

TABLE 2. SICRCALL DATA FOR U.S. NAVY SHIPS DEPLOTED TO NORY JEAST ASIA, 1967 - 1979

IAGLS 2. STOMALL DATA FO	K U.S. MAVI SHIPS DEPUBLE	TO DICK	KASI ASIA,	1907 - 197
	FREQUENCY	LOWER LIXIT	*RATE	UPPER LIMIT
INFECTIVE AND PARASITIC	106	0.884	1.092	1.300
DIARRHEA	17	0.092	0.175	0.258
DYSENIERY/ENTERITTS	0		0.000	
SEXUALLY TRANSMITTED DISEASES	30	0.199		0.420
DERMATOR PROSIS	35	0.241		0.480
NEOPLASMS	0		0.000	
ENDOLRINE, NUTRITIONAL & METABOLIC	0		0.000	
BLOOD & BLOOD PORMING ORGANS	0		0.000	
BEJAVIORAL	10	0.039	0.103	0.167
ALCOHOL ABUSE	2	0.000	0.021	0.049
NERWOUS STSTEM & SENSE ORGANS	28	0.182	0.288	0.395
OTTTIS MEDIA/OTTTIS EXTERNA	17	0.092	0.175	
CIRCULATURY STSTEM	3	0.000	0.031	0.066
RESPIRATURY STSTEM	240	2.160	2.472	2.785
UPPER RESPIRATORY INFECTION	156	1.355	1.607	1.859
NASOPHARYNGITIS/PHARYNGITIS	49	0.364	0.505	0.646
INFLUENZA	21	0.124	0.216	0.309
DIGESTIVE SYSTEM	25	0.157	0.258	0.358
CENTTOURINARY SYSTEM	48	0.355	0.494	0.634
URETHRITIS (NON-SPECIFIC)	42	0.302	0.433	0.564
PRECIONALCY, CHILDRICH & PLEXPERIUM	0		0.000	
SKIN & SUBCUTANEOUS TISSUE	107	0.894	1.102	1.311
CELLULITIS	7	0.019	0.072	0.126
DF.MATTTIS	17	0.092	0.175	0.258
MISCULOSKELETAL STSTEM	58	0.444	0.597	0.751
CONGENITAL ANOMALIES	0		0.000	
STAPTORS & ILL-DEFINED	40	0.284	0.412	0.540
HEADACHE	10	0.039	0.103	0.167
ACCIDENTS, POISONINGS, & VIOLENCE	193	1.708	1.988	2.268
TOTAL	858	8.250	8.838	9.427

^{*}RATES ARE PER 1,000 STRENGTH PER DAY.

TABLE 3. SICKCALL DATA FOR U.S. NAVY SHIPS DEPLOYED TO SOUTHEAST ASIA, 1967 - 1979

	1.5. MAVI SHIPS DEPIDIED TO SOUTHWAST ASTA				
	PREQUENCY	LOVER LIMIT	*RATE	UPPER LIMIT	
INFECTIVE AND PARASITIC	835	2.128	2.283	2.438	
DIARRHEA	155	0.357	0.424	0.490	
DYSENTERY/ENTERITIS	24	0.039	0.066	0.092	
SEXUALLY TRANSMITTED DISEASES	492	1.226		1.464	
DERMATOPHYTOSIS	92	0.200		0.303	
NEOPLASMS	4	0.000	0.011	0.022	
ENDOCRINE, NUIRITIONAL & METABOLIC	5	0.002	0.014	0.026	
BLOOD & BLOOD PORMING ORGANS	1	0.000	0.003	0.008	
BEHAVIORAL	79	0.168	0.216	0.264	
ALCOHOL ABUSE	9	0.008	0.025	0.041	
NERVOUS STSTEM & SENSE ORGANS	167	0.387	0.457	0.526	
OTTTIS MEDIA/OTTTIS EXTERNA	110	0.245	0.301	0.357	
CIRCULATURY SYSTEM	13	0.016	0.036	0.055	
RESPIRATORY SYSTEM	1284	3.319	3.511	3.702	
UPPER RESPIRATORY INFECTION	702	1.778	1.919	2.061	
NASOPHARYNGITIS/PHARYNGITIS	387	0.953	1.058	1.164	
INFLUENZA	88	0.190	0.241	0.291	
DECESTIVE SYSTEM	254	0.609	0.694	0.780	
CENTITURE VARY SYSTEM	302	0.733	0.826	0.919	
URETHRITIS (NON-SPECIFIC)	201	0.474	0.550	0.626	
PREGNANCY, CHILDEIRIE & PURPERIUM	0		0.000		
SKIN & SUBCUTANBOUS TISSUE	435	1.078	1.189	1.301	
CELLULITIS	39	0.073	0.107	0.140	
DERMATITIS	136	0.309	0.372	0.434	
MUSCHLOSKELETAL STSTEM	173	0.402	0.473	0.544	
CONCENITAL ANOMALIES	2	0.000	0.005	0.013	
STMPTOMS & ILL-DEPINED	94	0.205	0.257	0.309	
HEADACHE	42	0.080	0.115	0.150	
ACCIDENTS, POISONINGS, & VIOLENCE	635	1.601	1.736	1.871	
TOTAL.	4283	11.361	11.710	12.059	

^{*}RATES ARE PER 1,000 STRENGTH PER DAY.

TABLE 4. SICKCALL DATA FOR U.S. NAVY SHIPS DEPLOYED TO EAST ASIA, 1967 - 1979

	PREQUENCY	LOWER LIMIT	*RATE	uppek Limit
NESCTIVE AND PARASITIC	3191	2.098	2.173	2.248
DIARRHEA	410	0.252	0.279	0.306
DYSENIERY/ENTERITIS	102	0.056	0.069	0.083
SEXUALLY TRANSMITTED DISEASES	1534	0.992	1.045	1.097
DERMATOPHYTOSIS	432	0.266	0.294	0.322
EOPLASAS	10	0.003	0.007	0.011
NDOCRINE, NUTRITIONAL & HETABOLIC	38	0.019	0.026	0.034
elood & belood furning organs	15	0.005	0.010	0.015
EHAVXCRAL.	289	0.174	0.197	0.220
ALCOHOL ABUSE	27	0.012	0.018	0.025
ervous system & sense organs	684	0.431	0.466	0.501
OTTTIS MEDIA/OTTTIS EXTERNA	430	0.264	0.293	0.320
CIRCLEATORY SYSTEM	71	0.037	0.048	0,060
ESPIRATURY STETEM	4864	3.220	3.312	3.405
UPPER RESPIRATORY INFECTION	2441	1.596	1.662	1.728
NASOPHARYNGITIS/PHARYNGITIS	1336	0.861	0.910	0.959
INFLUENZA	523	0.326	0.356	0.387
IIGESTIVE SISTEM	696	0.439	0.474	0.509
enitourinary system	1671	1.083	1.138	1.192
UREHRITIS (NON-SPECIFIC)	1159	0.731	0.776	0.821
REGNANCY, CHILDRING & PLEXPERIUM	0		.000	
KIN & SIBCULANDUS TISSUE	2114	1.378	1.440	1.501
CELLULITIS	164	0.095	0.112	0.129
DERMATITIS	442	0.273	0.301	0.329
USCULOSCELETAL STSTEM	637	0.400	0.434	0.468
CONCENITAL ANOMALIES	12	0.004	0.008	0.013
STAPTORS & ILL-DEPINED	649	0.408	.442	0.476
HEADACHE	204	0.120	.139	0.158
ACCIDINIS, POISONINGS, & VIOLENCE	2573	1.685	1.752	1.820
TUTAL	17,514	11.752	11.927	12.103

^{*}RATES ARE PER 1,000 STRENGTH PER DAY.

TABLE 5. SICKCALL DATA FOR U.S. NAVY SHIPS DEPLOYED TO EUROPE, 1967 - 1979

	FREQUENCY	LOVER LIMIT	*rate	UPPER LIMIT		
INFECTIVE AND PARASITIC	1060	1.123	1.195	1.267		
DIARRHEA	537	0.554	0.606	0.657		
DYSENTERY/ENTERITIS	15	0.008	0.017	0.026		
SEXUALLY TRANSMITTED DISEASES	300	0.300	0.338	0.376		
DERMATOPHYTOSIS	106	0.097	0.120	0.142		
NEOPLASHS	1	0.000	0.001	0.003		
ENDOCRINE, NUTRITIONAL & METABOLIC	33	0.024	0.037	0.050		
BLOOD & BLOOD FORMING ORGANS	8	0.003	0.009	0.015		
BEHAVIORAL	202	0.196	0.228	0.259		
ALCOHOL ABUSE	10	0.004	0.011	0.018		
NERVULS STSAEM & SENSE ORGANS	360	0.364	0.406	0.448		
OTITIS MEDIA/OTITIS EXTERNA	208	0.203	0.235	0.266		
CIRCULATORY SYSTEM	13	J. 007	0.015	0.023		
RESPIRATURY SYSTEM	2363	2.557	2.664	2.772		
UPPER RESPIRATORY INFECTION	1371	1.464	1.546	1.628		
NASOPHARYNGITIS/PHARYNGITIS	422	0.430	0.476	0.521		
INFLUENZA	91	0.082	0.103	0.124		
DIGESTIVE SYSTEM	887	0.934	1.000	1.066		
CENTIOURINARY SYSTEM	350	0.353	0.395	0.436		
URETHRITIS (NON-SPECIFIC)	152	0.144	0.171	0.199		
PRECNANCY, CHILDRING & PURPERIUM	. 0		0.000			
SKIN & SUBCUTANBOUS TISSUB	1098	1.165	1.238	1.311		
CELLULITIS	62	0.752	0.070	0.087		
DERMATITIS	141	0.133	0.159	0.185		
MUSCULOSKELETAL SYSTEM	882	0.929	0.995	1.060		
CONCENITAL ANDMALIES	1	0.000	0.001	0.003		
STOPPTOPS & ILL-DEPINED	347	0.350	0.391	0.432		
HEADACHE	286	0.285	0.322	0.360		
ACCIDENTS, POLSONINGS, & VIOLENCE	1303	1.390	1.469	1.549		
TOTAL	8908	9.837	10.044	10.252		
•						

^{*}rates are per 1,000 strength per day.

THERE 6. MONTHLY MORRIDARY DATA ACROSS U.S. NAVY SHIPS

			1985				1975	
	HECHNOX	LIMIT	*PFOE	LIMIT	PHECIENCY	LIMIT	PROE	LIMIT
INFECTIVE AND EMPASTIC DIARREPA	2214	2.055	2.144	2.234	8505 1665	3. <i>3</i> 76 0.643	3.449 0.675	3.522 0.708
DYSENIFRY/ENIERITIS	705	0.632	0.683	0.733		0.043		0.700
SEXINLY THAN MITTED DISEASES DETAILOHYTOSIS	556 617	0.494 0.550	0.539 0.598	0.583 0.645	4813 1468	1.897 0.565	1.952 0.595	2.007 0.626
NECHASICS	3	0.000	0.003	0.006			_	
ENCORINE, NUIRITIONAL & MEDIAGOLIC	62	0.045	0.060	0.075	192	0.067	0.078	0.089
ELCCO & ELCCO FORMING CROPNS	6	0.001	0.006	0.010	_			
HEREVICIAL ALCOHOL PRUSE	242 61	0.205 0.044	0.234 0.059	0. <i>2</i> 64 0.074	548 172	0.204 0.059	0.222 0.070	0.241 0.080
NERVOLE SISTEM & SENSE ORGANS CITTLE MEDIA/OLITIS EXTERNA	377	0.328	0.365	0.402	1037 1037	0.395 0.395	0.421 0.421	0.446 0.446
CIPOLIZATORY SYSTEM	131	0.105	0.127	0.149				
RESPIRATORY SYSTEM UPPER RESPIRATORY INVECTION	3020 2241	2.821 2.081	2.925 2.170	3.029 2.260	11458 7368	4.562 2.920	4.647 2.968	4.732 3.056
nascharmicitis/rharmicitis Inflienza	482	0.425	0.467	0.508	1952 1288	0.756 0.494	0.792 0.522	0.827 0.551
DIGISTIVE SYSTEM	323	0.279	0.313	0.347	1419	0.546	0.575	0.605
CENTICURINARY SYSTEM URELLACTIS (NON-SPECIFIC)	762 599	0.686 0.534	0.738 0.580	0.790 0.627	3489 31.37	1.368 1.228	1.415 1.272	1.462 1.317
HEGNINCY, CHILDRICH, & RUPRERIUM	0		0.000		_			
SKIN & SLECUIPARUS TISSLE CELLILITIS DERMITTIS	1574 209 3 98	1.449 0.175 0.348	1.524 0.202 0.385	1.600 0.230 0.423	4873 332 409	1.921 0.120 0.150	1.976 0.135 0.166	2.032 0.149 0.182
MUSCALOSKEIZINAL SYSTEM	1080	0.984	1.046	1.108	5063	1.997	2.053	2.110
CONCENITAL PROPALIES	0		0.000		-			
SMPTONE & TILL-DEPTNED HEPCPCHE	723 240	0.649 0.203	0.700 0.232	0.751 0.262	142	0.048	0.058	0.067
ACCIDENTS, FOISONINGS, & VIOLENCE	1727	1.594	1.673	1.752	2044	0.793	0.829	0.865
TORAL	12,244	11.650	11.859	12.068	38,770	15,568	15.723	15.878

^{*}RROTES ARE PER 1,000 STRENGTH PER DAY.

THEE 7. MONIHLY MOREIDITY DRIA FOR U. S. NAVY SHIPS DEPLOYED TO NORTHEAST ASIA

FREQUENCY	LOWER	1985	INCED			975	
FRETENTY	T		LOWER			UPPER	
*****	LIMIT	HME	LIMIT	FREQUENCY	LIMIT	RACIE	LIMIT
25	1.137	1.868	2.600	366	2.218	2.471	2.724
				79	0.416	0.533	0.651
				-	0.050		0 420
							0.439
8	0.184	0.596	1.012	204	1.188	1.377	1.566
0		0.000				-	
0		0.000		25	0.103	0.169	0.235
0		0.000		_			
24	1.077	1.794	2,511	52	0.256	0.351	0.446
21	0.899	1.570	2.240	17	0.060	0.115	0.169
-	0.136	0 522	. 0.011	21	0.126	0.200	0 202
	0.136	0.523	0.911				0.283
U		_		31	0.136	0.209	0.283
12	0.390	0.897	1.404				
19	0.782	1.420	2.058	608	3.779	4.105	4.430
17	0.667	1.271	1.874				2.716
-							0.492
0		0.000		109	0.598	0.736	0.874
2	0.000	0.149	0.357	92	0.494	0.621	0.748
2	0.000	0.149	0.357	91	0.488	0.614	0.740
2	0.000	0.149	0.357	81	0.428	0.547	0.666
0		0.000		_			
20	1 210	2 002	2 067	227	1 206	1 600	1.804
							0.127
							0.202
0							
32	1.564	2.392	3.219	249	1.472	1.681	1.890
0		0.000					
16	0.610	1.196	1.781	1	0.000	0.007	0.020
10	0.284	0.747	1.210	-		_	
51	2.768	3.812	4.856	117	0.647	0.790	0.933
218	14.148	16.293	18.096	1869	12.049	40 000	13.186
	8 1 8 0 0 0 24 21 7 0 12 19 17 0 2 2 2 0 28 6 8 32 0 16 10	8 0.184 1 0.000 8 0.184 0 0 0 0 24 1.077 21 0.899 7 0.136 0 12 0.390 19 0.782 17 0.667 0 2 0.000 2 0.000 2 0.000 0 0 28 1.318 6 0.090 8 0.184 32 1.564 0 16 0.610 10 0.284	8 0.184 0.598 1 0.000 0.075 8 0.184 0.598 0 0.000 0 0.000 0 0.000 0 0.000 24 1.077 1.794 21 0.899 1.570 7 0.136 0.523 0 12 0.390 0.897 19 0.782 1.420 17 0.667 1.271 0 0.000 2 0.000 0.149 2 0.000 0.149 2 0.000 0.149 2 0.000 0.149 0 0.000 28 1.318 2.093 6 0.090 0.448 8 0.184 0.598 32 1.564 2.392 0 0.000 16 0.610 1.196 10 0.284 0.747	8 0.184 0.598 1.012 1 0.000 0.075 0.221 8 0.184 0.598 1.012 0 0.000 0.000 0 0.000 0.000 0 0.000 0.000 24 1.077 1.794 2.511 21 0.899 1.570 2.240 7 0.136 0.523 0.911 0 - - 0.911 12 0.390 0.897 1.404 19 0.782 1.420 2.058 17 0.667 1.271 1.874 0 0.000 0.149 0.357 2 0.000 0.149 0.357 2 0.000 0.149 0.357 0 0.000 0.448 0.807 8 0.184 0.598 1.012 32 1.564 2.392 3.219 0 0.000 0.000 <td>8 0.184 0.598 1.012 — 1 0.000 0.075 0.221 51 8 0.184 0.598 1.012 204 0 0.000 — 0 0.000 — 24 1.077 1.794 2.511 52 21 0.899 1.570 2.240 17 7 0.136 0.523 0.911 31 0 — 31 31 12 0.390 0.897 1.404 — 19 0.782 1.420 2.058 608 17 0.667 1.271 1.874 365 2 0.000 0.149 0.357 92 2 0.000 0.149 0.357 91 2 0.000 0.149 0.357 81 0 0.000 — 28 1.318 2.093 2.867 237 6 0.090 0.448 0.807 12 8 0.184 0.598 1.012 <</td> <td>— 79 0.416 8 0.184 0.598 1.012 — 1 0.000 0.075 0.221 51 0.250 8 0.184 0.598 1.012 204 1.188 0 0.000 — — 0 0.000 — — 24 1.077 1.794 2.511 52 0.256 21 0.899 1.570 2.240 17 0.060 7 0.136 0.523 0.911 31 0.136 0 0.390 0.897 1.404 — 19 0.782 1.420 2.058 608 3.779 17 0.667 1.271 1.874 365 2.212 9 0.291 0.000 109 0.598 2 0.000 0.149 0.357 91 0.428 2 0.000 0.149 0.357 91 0.428 0 0.000 — — 0.428 1.012 21 0.035 <</td> <td>8 0.184 0.598 1.012 — <</td>	8 0.184 0.598 1.012 — 1 0.000 0.075 0.221 51 8 0.184 0.598 1.012 204 0 0.000 — 0 0.000 — 24 1.077 1.794 2.511 52 21 0.899 1.570 2.240 17 7 0.136 0.523 0.911 31 0 — 31 31 12 0.390 0.897 1.404 — 19 0.782 1.420 2.058 608 17 0.667 1.271 1.874 365 2 0.000 0.149 0.357 92 2 0.000 0.149 0.357 91 2 0.000 0.149 0.357 81 0 0.000 — 28 1.318 2.093 2.867 237 6 0.090 0.448 0.807 12 8 0.184 0.598 1.012 <	— 79 0.416 8 0.184 0.598 1.012 — 1 0.000 0.075 0.221 51 0.250 8 0.184 0.598 1.012 204 1.188 0 0.000 — — 0 0.000 — — 24 1.077 1.794 2.511 52 0.256 21 0.899 1.570 2.240 17 0.060 7 0.136 0.523 0.911 31 0.136 0 0.390 0.897 1.404 — 19 0.782 1.420 2.058 608 3.779 17 0.667 1.271 1.874 365 2.212 9 0.291 0.000 109 0.598 2 0.000 0.149 0.357 91 0.428 2 0.000 0.149 0.357 91 0.428 0 0.000 — — 0.428 1.012 21 0.035 <	8 0.184 0.598 1.012 — <

^{*}RACIES ARE PER 1,000 STRENGTH PER DAY.

THEIR 8. HONIBLY HORSIDITY DRIA FOR U.S. NAVY SHIPS DEPLOYED TO SOUTHAST ASTA

			1985			19/5				
	FREQUENCY	ioer Limit	RME	UPPER LIMIT	FREQUENCY	LONER LIMIT	RME	upper Limit		
INFECTIVE AND PARASITIC	140	4.464	5.348	6.231	2002	5.447	5.696	5.944		
DIARREA	~~	0.400	0.764		177	0.429	0.504	0.578		
DYSENIERY/ENIERITIS SEALNLY TRANSMITTED DISEASES	20 98	0.429 3.004	0.764 3.743	1.099 4.483	1263	3.395	3.593	3.791		
DENATOHYTOSIS	13	0.227	0.497	0.766	415	1.067	1.181	1.294		
NECHLASIS	0		0.000							
ENCORINE, NUIRITHONAL & MEDABOLIC	0		0.000		24	0.041	0.068	0.096		
BLOOD & BLOOD FORMING ORGANG	0		0.000		_					
HEHPL/ICENL	20	0.429	0.764	1.099	56	0.118	0.159	0.201		
ALCOHOL MUSE	2	0.000	0.076	0.182	16	0.023	0.046	0.068		
NERVOUS SYSTEM & SENSE ORGANS	9	0.119	0.344	0.568	153	0.366	0.435	0.504		
CITIIS MEDIA/OITTIS EXIERNA					153	0.366	0.435	0.504		
CIRCULATORY SYSTEM	1	0.000	0.038	0.113			-			
RESPIRATORY SYSTEM	86	2.592	3.285	3.978	1805	4.899	5.135	5.371		
UPPER RESPIRATORY INFECTION	59	1.679	2.254	2.828	1315	3.539	3.741	3.943		
NASCHARAGITIS/PHARAGITIS	_			0.044	268	0.671	0.762	0.854		
INFILENZA	. 3	0.000	0.115	0.244	57	0.120	0.162	0.204		
DIGESTIVE SISTEM	2	0.000	0.076	0.182	345	0.878	0.982	1.085		
GENTELLEUNRY SYSTEM	32	0.799	1.222	1.646	686	1.806	1.952	2.098		
UPETHRITIS (NON-SPECIFIC)	31	0.768	1.184	1.601	541	1.410	1.539	1.669		
PREDVINCY, CHILLESTRIH, & RUPRETRIUM					_					
SKIN & SUBCUIRNIUS TISSUE	45	1.217	1.719	2.221	1218	3.271	3.465	3.659		
CELULITIS	4	0.003	0.153	0.302	79	0.175	0.225	0.274		
DERVENIUS	1	0.000	0.038	0.113	104	0.239	0.296	0.353		
MISCLOSREUZIPL SYSTEM	24	0.550	0.917	1.283	704	1.855	2.003	2.151		
CONCENITING ANOMALIES	0		0.000				_			
SMPIOS & ILL-DEFINED	200	6,585	7.640	8.694	19	0.030	0.054	0.078		
HEADACHE	2	0.000	0.076	0.182	-					
ACCIDENTS, FORSONINGS, & VIOLENCE	12	0.199	0.458	0.718	391	1.002	1.112	1.223		
TOIN	571	20.042	21.811	23.581	7403	20.586	21.061	21.536		

[&]quot;FROIES ARE PER 1,000 STRENGTH PER DAY.

TABLE 9. MONIBLY MORBIDITY DATA FOR U.S. NAVY SHIPS IZERIOMED TO EAST ASIA

			1085			1	975	
	FRELLINCY	LCAER LIMIT	RME	UPPER LIMIT	FREQUENCY	LOÆR LIMIT	RATE	UPPER LIMIT
INFECTIVE AND EMPASITIC	230	3.445	3.956	4.466	4283	3.710	3.824	3.938
DIARREA	47	۸ ۲	<u> </u>	1.000	1004	0.841	0.896	0.952
DYSENIERY/ENIERITIS SEXUALLY TRANSMITTED DISEASES	47 131	0. <i>577</i> 1.8 68	0.808 2.253	1.039 2.638	2589	2.223	2.312	2.400
DERMAIOHIMOSIS	40	0.475	0.688	0.901	406	0.327	0.362	0.398
NECFLASI'S	0		0.000					
ENDOCRINE, NUIRITIONAL & MEIPBOLIC	1	0.000	0.017	0.051	125	0.092	0.112	0.131
HLOOD & BLOOD FORMING ORGANS	0		0.000					
PERMICRAL	17	0.153	0.292	0.431	202	0.156	0.180	0.205
NL CHOL ABUSE	ü	0.077	0.189	0.301	106	0.077	0.095	0.113
NERVOUS SYSTEM & SENSE ORGENS	18	0.167	0.310	0.453	5 9 5	0.489	0.531	0.574
OTTTIS MEDIA/OTTTIS EXTERNA			-		59 5	0.489	0.531	0.574
CIRCULATORY SYSTEM	2	0.000	0.034	0.082	_			
RESPIRATORY SISTEM	365	5.635	6.277	6.919	6503	5.666	5.806	5.947
UPPER RESPIRATORY INFECTION	321	4.918	5.521	6.123	4383	3.798	3.913	4.029
NASCHIPRYNGITIS/HIPRYNGITIS					1013	0.849	0.904	0.960
INFILIENZA	38	0.446	0.654	0.861	978	0.818	0.873	0.928
DICESTIVE SYSTEM	17	0.153	0.292	0.431	320	0.254	0.296	0.317
GENTICURINARY SYSTEM	80	1.075	1.376	1.677	2449	2.100	2.187	2.273
UPENFUTIS (NON-SPECIFIC)	67	0.876	1.152	1.428	2332	1.998	2.082	2.167
HECHNOY, CHILDSIRH, & REFERRIM	0		0.000				_	
SKIN & SUBCLIPANCUS TISSUE	68	0.892	1.169	1.447	2277	1.950	2.033	2.116
CELULITIS	15	0.127	0.258	0.398	186	0.142	0.166	0.190
DERMITTIS	15	0.127	0.258	0.388	183	0.140	0.163	0.187
MISCLOSKILEIML SYSTEM	51	0.636	0.877	1.118	2886	2.483	2.577	2.671
CONCENITAL AND PULIES	0		0.000		-			
SMPIONS & ILL-DEFINED	50	0.622	0.860	1.098	63	0.042	0.056	0.070
HEADACHE	16	0.140	0.275	0.410	-			•
ACCIDENTS, FOISONINGS, & VIOLENCE	178	2.612	3.061	3.510	678	0.560	0.605	0.651
HUPL	1077	17.427	18.523	19.619	20,391	17,950	18.197	18.445
_					-	•		

^{*}RPOES ARE PER 1,000 STRENGTH PER DAY.

THERE 10. MONIERY MORRIDITY INVIA FOR U.S. NAVY SHIPS DEPLOYED TO SCUTHNESS ASIA

the first of the f

		1985			1975			
PREQUENCY	LOVER LIMIT	RACE	UPPER LIMIT	PREQUENCY	LIMIT	PROE	U L	
117	1.133	1.383	1.634	130	4.867	5.873	6.1	
				84	2.985	3.795	4.	
					A 400	_	_	
4 55	0.001	0.047 0.650	0.094 0.822	18	0.438	0.813	0.	
0		0.000						
0		0.000		2	0.000	0.090	0.	
0		0.000		-		_		
12	0.062	0.142	0.222	23	0.615	1.039	1.	
3	0.000	0.035	0.076	5	0.028	0.226	0.	
35	0.277	0.414	0,551	9	0.141	0,407	0.	
_		_	******	9	0.141	0.407	0.	
6	0.014	0.071	0.128	_		-		
288	3.012	3.405	3.797	179	6.907	8.087	9.	
234	2.412	2.766	3.120	68	2.343	3.072	3.	
_						1.491	1.	
41.	0.336	0.485	0.633	3	0.000	0.136	0.	
19	0.124	0.225	0.326	44	1.401	1.988	2.	
17	0.106	0.201	0.296	11	0.203	0.497	0.	
10	0.045	0.118	0.192	5	0.028	0.226	0.	
0		0.000		_		-		
70	0.634	0.828	1.021	133	4.991	6.009	7.	
20	0.133	0.236	0.340	17	0.403	0.768	1.	
15	0.088	0.177	0.267	2	0.000	0.090	0.	
. 70	0.634	0.828	1.021	55	1.829	2.485	3.	
0		0.000						
32	0.247	0.378	0.509	16	0.369	0.723	1.	
21	0.142	0.248	0.354	-			-•	
63	0.561	0.745	0.929	129	4.825	5.828	6.	
729	7 . 996	8.619	9.242	731	30.672	33.026	35.	
	117 	117 1.133	117	1.133 1.383 1.634	1.0 1.0	IOMER LIMIT HRIE LIMIT FREQUENCY LIMIT	HANCLENIX LIMIT HANCE LIMIT FREQUENCY LIMIT LIMI	

TABLE 11. MONIBLY MODELIDITY DATA FOR U.S. NEW SHIPS DEPLOYED TO ELECPE

		···	1985			1975			
	PREQUENCY	LIMIT	#HATE	UPPER	FREQUENCY	LIMIT		LIMIT	
INFECTIVE AND ENTASTITIC DIARRIEA	446	1.214	1.338	1.462	1690 313	1.992			
DYSENIERY/ENIERITIS	207	0.536	0.621	0.706					
SEXUALLY TRANSMITTED DISEASES	29	0.055	0.087	0.119	881	1.019	1.091	1.162	
DERMATOPHYTOSIS	146	0.367	0.438	0.509	427	0.478	0.529	0.579	
NEOFLASTIS	0		0.000				_		
encocrine, nurritional & medabolic	57	0.127	0.171	0.215	16	0.010	0.020	0.030	
BLOOD & BLOOD FORFING ORGANS	0		0.000		-				
BEHAVIORAL	80	0.187	0.240	0.292	210	0.225	0.260	0.295	
ALCOHOL ABUSE	8	0.007	0.024	0.041	26	0.020	0.032	0.045	
NERVOUE SYSTEM & SENSE ORGANS	95	0.228	0.285	0.342	243	0.263	0.301	0.339	
OITTIS MEDIA/OITTIS EXIERNA	-		-		243	0.263	0.301		
CIRCULATORY SYSTEM	51	0.111	0.153	0.195					
RESPIRATORY SYSTEM	1105	3.119	3.314	3.510	2289	2.718	2.833		
UPPER RESPIRATORY INFECTION	820	2.291	2.460	2.628	1217	1.422	1.506		
NASCHARMGITIS/HARMGITIS		0.166	0.216	0.266	563	0.639	0.697	0.754	
INFILENZA	72	0.166	0.216	0.266	139	0.144	0.172	0.201	
digestive system	156	0.394	0.468	0.541	601	0.684	0.744	0.803	
GENITIOURINARY SYSTEM	76	0.177	0.228	0.279	245	0.265	0.303		
UREIHRITIS (NON-SPECIFIC)	31	0.060	0.093	0.126	172	0.181	0.213	0.245	
HEGNINCY, CHILDRICH, & FLERFERIUM	0		0.000						
SKIN & SUBCUIANEOUS TISSUE	483	1.320	1.449	1.578	976	1.132	1.208	1.284	
CELLLITIS	86	0.203	0.258	0.312	34	0.028	0.042	0.056	
DERMAITTIS	87	0.206	0.261	0.316	97	0.096	0.120	0.144	
MECLICARELETAL SYSTEM	313	0.835	0.939	1.043	1127	1.314	1.395	1.476	
CONGENITAL ANDMALIES	0		0.000				_		
SYMPIONS & III-DEFINED	212	0.550	0.636	0.722	40	0.034	0.050	0.065	
HEADACHE	109	0.266	0.327	0.388	-			,	
ACCIDENIS, ROISONINGS, & VIOLENCE	721	2.005	2.163	2.320	662	0.757	0.819	0.882	
IOPAL	3795	11.023	11.383	11.743	8099	9.808	10.025	10.242	
*									

^{*}RATES ARE PER 1,000 STRENGTH PER DAY.

THERE 12. MONTHLY MOREIDITY DATA ACROSS U.S. NAME SHORE STRETIONS

			1985			19	ж	
		LOWER		UPPER		LOWER		UPPER
	PRECIENCY	LIMIT	RME	LIMIT	FREQUENCY	LIMIT	RATE	LIMIT
INFECTIVE AND EMPASITIC	5213	0.780	0.802	0.824	2909	0.544	0.565	0.585
DIARREA			_		1600	0.295	0.311	0.326
DYSENIERY/ENDERITIS	2461	0.364	0.379	0.394			_	
SEXUALLY TRANSMITTED DISEASES	1395	0.203	0.215	0.226	696	0.125	0.135	0.145
DERMAICHAIOSIS	607	0.086	0.093	0.101	188	0.031	0.036	0.042
NEOFLASPS	41	0.004	0.006	0.008	*****			
ENDOCRINE, NUIRITIONAL & MEDABOLIC	989	0.143	0.152	0.162	317	0.055	0.062	0.068
BLOOD & BLOOD FORWING ORGANS	82	0.010	0.013	0.015	_			
BEHEVICEAL	4387	0.655	0.675	0.695	910	0.165	0.177	0.188
ALCOHOL ABUSE	1625	0.238	0.250	0.262	242	0.041	0.047	0.053
NERVOLE SYSTEM & SENSE ORGANS	5586	0.837	0.859	0.882	2247	0.418	0.436	0.454
OITIIS MEDIA/OITIIS EXIERNA	-	0.037	0.059	0.002	2247 2247	0.418	0.436	0.454
						***************************************	***************************************	****
CIRCULATORY SASTEM	1982	0.291	0.305	0.318	_			
RESPIRATIONY SYSTEM	11,439	1.727	1.759	1.792	15,945	3.047	3.095	3.143
UPPER RESPIRATORY INFECTION	8526	1.284	1.311	1.339	8930	1.698	1.734	1.769
NASOPIARMGTITS/HARMGTITS	_		_		1803	0.334	0.350	0.366
INFLUENZA	1080	0.156	0.166	0.176	1777	0.329	0.345	0.361
DICESTIVE SYSTEM	3005	0.446	0.462	0.479	3027	0.567	0.588	0.608
GENITICIRINARY SYSTEM	4491	0.671	0.691	0.711	2368	0.441	0.460	0.478
UREIHRITIS (NON-SPECIFIC)	938	0.135	0.144	0.154	590	0.105	0.115	0.124
PREGNANCY, CHILDRIGH, & PLERFERIUM	795	0.114	0.122	0.131				
SKIN & SUBCLIPARIUS TISSLE	7850	1.181	1.207	1.234	4324	0.814	0.839	0.864
CELULITIS	7830 981	0.141	0.151	0.160	336	0.058	0.065	
DERMITTIS	1321	0.141	0.151	0.160	523	0.093	0.102	0.072
LENHIIIS	1341	0.132	0.203	0.214	323	0.093	0.102	0.110
MISCLIOSRELETAL SYSTEM	8117	1.221	1.248	1.276	6287	1.190	1.220	1.251
CONCENITIAL ANOMALIES	111	0.014	0.017	0.020	_		-	
SMPROMS & IIIDEPINED	6362	0.954	0.979	1.003	342	0.059	0.066	0.073
HEADACHE	1431	0.209	0.220	0.232	_			
ACCIDENIS, POISONINGS, & VIOLENCE	11,725	1.771	1.803	1.836	6122	1.159	1.188	1.218
TOTAL	72,175	11.021	11.101	11.182	44,798	8.616	8.696	8.776
•	,				,			

^{*}RACES ARE PER 1,000 STRENGTH PER DAY.

THELE 13. MONIFLY MORRIDITY DATA FOR U.S. NAME STORE STRUCTURE IN NORTHEAST ASIA (JAPAN)

			1985			19	776	
	FRECUENCY	LOWER LIMIT	* RATE	UPPER LIMIT	FRECUENCY	LOWER LIMIT		LIMIT
INFECTIVE AND PARASITIC	1788	1.174	1.230	1.288	831	0.699	0.750	0.801
DIARRIEA	_				251	0.199	0.227	0.255
DYSENIERY/ENIERITIS	79 7	0.510	0.548	0.587				
SEXUALLY TRANSMITTED DISEASES	651	0.414	0.448	0.482	424	0.346	0.383	0.419
DERMATORIYIOSIS	183	0.198	0.126	0.144	34	0.020	0.031	0.041
ECPLASIS	12	0.004	0.008	0.013	-			
NDOCRINE, NUIRITIONAL & MEJABOLIC	62	0.032	0.043	0.053	68	0.047	0.061	0.076
BLOOD & BLOOD FORMING ORGANS	29	0.013	0.020	0.027				
EHEVIORAL	1703	1.116	1.172	1.228	476	0.391	0.430	0.468
ALCOHOL ABUSE	657	0.418	0.452	0.487	175	0.135	0.158	0.181
erous system & sense organs	2746	1.819	1.890	1.960	499	0.411	0.451	0.490
CITTIS MECIA/CITTIS EXIERNA		1.019		1.500	499	0.411	0.451	
IROLLATORY SISTEM	570	0.360	0.392	0.424	_			
ESPLANIORY SYSTEM	2459	1.625	1.692	1.759	4938	4.334	4.458	4.582
UPPER RESPIRATORY INFECTION	1723	1.130	1.186	1.242	3322	2.897	2.999	3.101
NASCHIARMIGITIS/HARMIGITIS			_		458	0.377	0.414	0.451
INFLUENZA	228	0.136	0.157	0.177	580	0.481	0.524	0.566
DIGESTIVE SISTEM	709	0.452	0.488	0.524	856	0.721	0.773	0.825
ENITICURINARY SYSTEM	1648	1.079	1.134	1.189	749	0.628	0.676	0.725
UPETHRUTIS (NON-SPECIFIC)	653	0.415	0.449	0.484	283	0.226	0.256	0.285
HEONICY, CHILDBIRTH, & PLENTERIUM	96	0.053	0.066	0.079				
KIN & SIBULFARUS TISSIE	2740	1.815	1.886	1.956	1132	0.962	1.022	1.082
CHILITIS	423	0.263	0.291	0.319	136	0.102	0.123	0.143
DERMAITTIS	384	0.238	0.264	0.291	116	0.086	0.105	0.124
LECTIOSGERIAL SYSTEM	2157	1.422	1.484	1.547	2053	1.773	1.854	1.934
ONGENITIAL ANOMALIES	13	0.004	0.009	0.014				
SAMPROMS & ILL-DEFINED	1730	1.134	1.191	1.247	87 .	0.062	0.079	0.095
HEADACHE	456	0.285	0.314	0.343				-
CCIDENIS, ROISONINGS, & VIOLENCE	3769	2.511	2.594	2.676	2501	2.170	2.258	2.346
OPAL .	22,231	15.100	15.299	15.499	14,190	12.602	12.811	12 001

^{*}RATES ARE PER 1,000 STRENGTH PER DAY.

THERE 14. MONIHEY MOREIDITY DATA HOR U.S. MARINE SHORE STRUTIONS IN NORTHEAST ASIA (JAHAN)

			1985			197	76	
		LOVER	*	UPPEK		LOWER		UPPER
	FREQUENCY	LIMIT	PATE	LIMIT	FREQUENCY	LIMIT	HATE	LIMI
INFECTIVE AND HARASTTIC	2076	0.193	0.202	0.210	3371	1.805	1.868	1.931
DIARNEA					419	0.210	0.232	0.254
DYSENIERY/ENIERITIS	502	0.044	0.049	0.053	_		-	
SEMPMLY TRANSMITTED DISEASES	713	0.064	0.069	0.074	336	0.166	0.186	0.206
DERWHICHYIOSIS	502	0.044	0.049	0.053	682	0.350	0.378	0.406
ECPLASIES	151	0.012	0.015	0.017	_			
NOCRINE, NURTITIONAL & METABOLIC	650	0.058	0.063	0.068	503	0.254	0.279	0.303
FLOOD & BLOOD FORMING ORGANS	35	0.002	0.003	0.004	_		_	
PHYICAL	1767	0.164	0.172	0.180	148	0.069	0.082	0.099
ALCOHOL ABUSE	349	0.030	0.034	0.038	93	0.341	0.052	0.062
VERVOUE SYSTEM & SPINSE CROPNS	1518	0.140	0.147	0.155	718	0.369	0.398	0.427
OITTIS MEDIA OITTIS EXTERNA	-	0.210	-		718	0.369	0.398	0.42
CIPCLATORY SYSTEM	709	0.064	0.069	0.074	*****			
ESPIERICRY SYSTEM	3371	0.316	0.327	0.338	6137	3.316	3.401	3.486
UPPER RESPIRATORY INFECTION	2421	0.226	0.235	0.244	2922	1.561	1.619	1.678
NASOPIARMGITIS/HARMGITIS	_		_		2371	1.261	1.314	1.36
INFILIENZA	344	0.030	0.033	0.037	621	0.317	0.344	0.373
DIGISTIVE SISTEM	790	0.071	0.077	0.082	171	0.081	0.095	0.109
ENTICURINARY SYSTEM	2493	0.233	0.242	0.252	322	0.119	0.178	0.19
UPENHRITIS (NON-SPECIFIC)	1277	0.117	0.124	0.131	246	0.119	0.136	0.15
REGNANCY, CHILDBIRTH, & RUFRERRIUM	630	0.056	0.061	0.066			_	
SKIN & SUBCUIANEOUS TISSUE	2707	0.253	0.263	0.273	1994	1.057	1.105	1.154
CELLLITIS	528	0.047	0.051	0.056	307	0.151	0.170	0.189
DERMITTIS	375	0.033	0.036	0.040	307	0.151	0.170	0.18
OSCILORRIZIAL SYSTEM	2869	0.268	0.279	0.289	5138	2 .7 70	2.848	2.925
INGNITAL AND ILES	28	0.002	0.003	0.004				
SMIPIONS & IIIDEFINED	21.25	0.198	0.206	0.215	36	0.013	0.020	0.026
HEADACHE	303	0.026	0.029	0.033	-			0.02
POCLIDENIS, POISONINGS, & VIOLENCE	6270	0.594	0.609	0.624	991	0.515	0.549	0.583
IOIAL	28,189	2.706	2.738	2.770	19,529	10.672	10.823	10.974

TRELE 15. MONIHLY MORBIDITY DATA FOR U.S. MAIAL SHORE STRUTION IN SOUTHWEST ASTA (BARRAIN)

			1985			1	976	-
	FREQUENCY	LOMER LIMIT	-	UPPER LIMIT	FREQUENCY	LOMER		UPPER LIMIT
INFECTIVE AND PAPASITIC	42	2.054	2.942	3.831	174	3.931	4.616	5.300
DIARRIEA					132	2.905	3.502	
DYSENIERY/ENIERITIS	23	0.953	1.611	2.269				
SEXUALLY TRANSMITTED DISPASES	2	0.000	0.140	0.334	0		0.000	
DERMAIOPHYIOSIS	14	0.467	0.981	1.494	26	0.425	0.690	
NECHASIS	0		0.000		_			
ENDOCRINE, NUIRITHOPAL & MEINBOLIC	1	0.000	0.070	0.207	13	0.157	0.345	0.532
BLOOD & BLOOD FORMING ORGANS	0		0.000					
BEHAVIORAL.	13	0.415	0.911	1.406	13	0.157	0.345	0.532
ALCOHOL ABUSE	9	0.219	0.631	1.042	1	0.000	0.027	0.078
NERVOUS SYSTEM & SENSE CROPAS CITTIS MEDIA/OITIIS EXTERNA	22 -	0.893	1.541	2.185	37 37	0.665 0.665	0.981 0.981	1.298 1.298
CIPOLIATIONY SYSTEM	13	0.416	0.911	1.406			*******	
RESPIRATORY SYSTEM	56	2.898	3.923	4.949	375	8.946	9.947	10.949
UPPER RESPIRATORY INFECTION	42	2.054	2.942	3.831	303	7.136	8.038	8.939
NACOHARMGITIS/HARMGITIS			_		41	0.755	1.088	1.420
INFILENZA	13	0.416	0.911	1.406	26	0.425	0.690	0.955
DIGESTIVE SYSTEM	11	0.315	0.771	1.226	9	0.083	0.239	0.395
GENTECKINARY SYSTEM	14	0.467	0.981	1.494	20	0.298	0.531	0.763
UPETIFICITIS (NON-SPECIFIC)	2	0.000	0.140	0.334	16	0.216	0.424	0.632
HENNIY, CHILBIRIH, S RESERRIM	0		0.000		-		_	
SKIN & SUBCUIPNEOUS TESSUE	50	2.534	3.503	4.472	53	1.028	1.406	1.784
CELLLITIS	7	0.127	0.490	0.854	6	0.032	0.159	0.286
DERMITTIS	8	0.172	0.560	0.949	4	0.002	0.106	0.210
MISCLOSRELETAL SYSTEM	40	1.935	2.802	3.670	41	0.755	1.088	1.420
CONTENEDAL ANDMALIES			_					
SMPPONS & ILL-DEFINED	18	0.679	1.261	1.843	5	0.016	0.133	0.249
HEADACHE	9	0.219	0.631	1.042	-		_	0.2. 5
ACCIDENIS, ROISONINGS, & VIOLENCE	43	2.113	3.012	3.912	14	0.177	0.371	0.566
TOIPL	323	20.189	22.629	25.068	754	18.588	20.001	21.414
*RATES ARE PER 1,000 STRENGTH PER DAY.								

THELE 16. MONIBLY MOREIDETY DATA FOR U.S. NAME SHOPE STRITTONS IN ELECPE

			1985			19	76	
		LONER		UPPER		LONER		UPPE
	PRECIENCY	LIMIT	HATE	LIMIT	FREQUENCY	LIMIT	PACE	LIMIT
INFECTIVE AND EMPASTIC	2639	0.671	0.698	0.724	1904	0.454	0.475	0.497
DIARREA					1217	0.287	0.304	0.321
DYSENIERY, ENIERITIS	1452	0.364	0.384	0.404				
SEXUALLY TRANSMITTED DISEASES	449	0.108	0.119	0.130	272	0.060	0.068	0.076
DERMICHMICSIS	25 .	0.059	0.068	0.076	128	0.026	0.032	0.038
NECELAGNS	16	0.002	0.004	0.006			-	
NOORINE, NUIRITIONAL & MEDIBOLIC	704	0.172	0.186	0.200	236	0.051	0.059	0.066
BLOOD & BLOOD FORMING ORGANS	47	0.009	0.012	0.016	_		_	
BEHAVIORAL	2267	0.575	0.599	0.624	421	0.095	0.105	0.115
ALCOHOL ABUSE	867	0.214	0.229	0.244	66	0.012	0.016	0.020
NERVOUS SYSTEM & SENSE ORGANS	2044	0.517	0.540	0.564	1711	0.407	0.427	0.447
OTTTIS MEDIA/OTTTIS EXTERNA	-	0.51	-	0.304	1711	0.407	0.427	0.447
CIRCULATORY SYSTEM	1098	0.273	0.290	0.308				
CIRCUMBURE SISSEM	1090	0.2/3	0.290	0.305	*****			
RESPIRATORY SYSTEM	6544	1.688	1.730	1.772	10,632	2.604	2.654	2.704
UPPER RESPIRATORY INFECTION	4937	1.269	1.305	1.342	5305	1.289	1.324	1.360
NASCHARMIGITIS/HARMIGITIS			_		1304	0.308	0.326	0.343
INFILENZA	624	0.152	0.165	0.178	1171	0.276	0.292	0.309
DIGESTIVE SYSTEM	1728	0.435	0.457	0.478	2162	0.517	0.540	0.562
GENLEURINARY SYSTEM	2099	0.529	0.552	0.576	1599	0.380	0.399	0.419
UREHARTIS (NON-SPECIFIC)	165	0.037	0.044	0.050	291	0.064	0.073	0.081
HEOPINCY, CHILDRIPH, & RUPPERUM	603	0.147	0.159	0.172	_		_	•
SKIN & SUBCULENEOUS TISSUE	3814	0.976	1.008	1.040	3139	0.756	0.784	0.811
CELULITIS	377	0.090	0.100	0.110	194	0.042	0.048	0.055
DERMATTIS	771	0.190	0.204	0.218	405 -	0.091	0.101	0.110
MECULOSKELETINI. SYSTEM	4829	1.241	1.277	1.313	4193	1.015	1.047	1.078
CONGRUITAL ANDMILIES	97	0.020	0.026	0.031	-			
	44.56	1 000	1 222	1 100	020			.
SMPTOPS & ILL-DEPTNED	4130	1.059	1.092	1.125	250	0.055	0.062	0.070
HEADACHE	719	0.176	0.190	0.204		•		
ACCILENIS, FOISONINGS, & VIOLENCE	6274	1.618	1.659	1.700	3607	0.871	0.900	0.930
IOPAL	38,923	10.189	10.291	10.393	29,854	7.368	7.452	7.536

^{*}RFCIES ARE PER 1,000 STRENGTH PER DAY.

THELE 17. HOSPITALIZATION DATA ACROSS U.S. NEW SHIPS

			1985				975	
		LOWER		UPPER		LOWER		UPPER
	FREQUENCY		RACE	LIMIT	FREQUENCY	LIMIT	PACE	LIMIT
INFECTIVE AND EMPASTIC	13	0.006	0.014	0.021	86	0.037	0.047	0.057
DIARNEA	1	0.000	0.001	0.003	26	0.009	0.014	0.020
DYSENIERY/ENIERITIS	2	0.000	0.002	0.005	1	0.000	0.001	0.002
SEXUALLY TRANSMITTED DISEASES	2	0.000	0.002	0.005	13	0.003	0.007	0.011
DERMAIOPHYTOSIS	0		0.000		3	0.000	0.002	0.004
NEOPLASTS	4	0.000	0.004	0.008	4	0.000	0.002	0.004
ENDOCRINE, NUIRITIONAL & MEDABOLIC	1	0.000	0.001	0.003	6	0.001	0.003	0.006
BLOOD & BLOOD FORMING ORGANS	0		0.000		0		0.000	
EEEFI/ICHAL	34	0.024	0.036	0.048	64	0.026	0.035	0.043
ALCOHOL ARUSE	19	0.011	0.020	0.029	24	0.008	0.013	0.018
NERVOUS SYSTEM & SENSE ORGANS	10	0.004	0.011	0,017	14	0.004	0.008	0.012
OITTIS MEDIA/OITTIS FXIERNA	2	0.000	0.002	0.005	4	0.000	0.002	0.004
,					-			
CIRCULABORY SYSTEM	4	0.000	0.004	0.008	19	0.006	0.010	0.015
RESPIRATORY SYSTEM	6	0.001	0.006	0.012	43	0.016	0:023	0.030
UPPER RESPIRATORY INVECTION	0		0.000		4	0.000	0.002	0.004
NASOHARMGITIS/HARMGITIS	1	0.000	0.001	0.003	4	0.000	0.002	0.004
INFLUENZA	0		0.000		3	0.000	0.002	0.004
DIGESTIVE SYSTEM	13	0.006	0.014	0.021	54	0.022	0.029	0.037
CENTICURINARY SYSTEM	2	0.000	0.002	0.505	85	0.036	0.046	0.056
URELIBRITIS (NON-SPECIFIC)	Ō		0.000	3,7,12	0	******	0.000	3333
PHENNICY, CHILDRICH, & PURPERIUM	0		0.000		0		0.000	•
SKIN & SIRCUIPARCIS TESSIE	6	0.001	0.006	0.012	65	0.027	0.035	0.044
CELLLITIS	3	0.000	0.003	0.007	46	0.018	0.025	0.032
DERMATTIS	ĭ	0.000	0.001	0.003	4	0.000	0.002	0.004
	-				•			
MUSCULOSPELEIPL SYSTEM	21	0.013	0.022	0.032	24	0.008	0.013	0.018
CONGENITAL ANOMALIES	0		0.000		4	0.000	0.002	0.004
SYPPOS & ILL-DEFINED	40	0.029	0.043	0.056	29	0.010	0.016	0.022
HEADACHE	Ö		0,000		2	0.000	0.001	0.003
ACCIDENIS, FOISONINGS, & VIOLENCE	37	0.027	0.039	0.052	73	0.031	0.040	0.049
TOTAL	191	0.174	0.203	0.232	570	0.285	0.310	0.336
*								

^{*}RRIES ARE FER 1,000 STRENGTH PER DAY.

THELE 18. HOSPITALIZATION DATA FROM U.S. NEW SHIPS DEPLOYED IN EAST ASIA

		1985			1	975	
	LONER	*	UPPER		LOVER		UPPER
HETHCA	LIMIT	RATE	LIMIT	FREQUENCY	LIMPT	HAUE	LIMIT
9	0.013	0.036	0.060	82	0.053	0.068	0.082
0		0.000		23	0.011	0.019	0.027
0		0.000		1	0.000	0.001	0.002
2	0.000	0.008	0.020	13	0.005	0.011	0.017
0		0.000		3	0.000	0.002	0.005
1	0.000	0.004	0.012	4	0.000	0.003	0.007
0		0.000		5	0.000	0.004	0.008
0		0.000		0		0.000	
16	0.033	0.065	0.096	41	0.02.	0.034	0.044
11	0.018	0.044	0.071	18	0.008	0.015	0.022
2	0.000	0.008	0.020	10	0.003	0.008	0.013
0		0.000		4	0.000	0.003	0.007
2	0.000	0.008	0.020	17	0.007	0.014	0.021
1	0.000	0.004	0.012	8	0.002	0.007	0.011
4	0.000	0.016	0.032	33	0.018	0.027	0.037
0		0.000		4			0.007
1	0.000	0.004	0.012	3	0.000	0.002	0.005
0		0.000		3	0.000	0.002	0.005
5	0.002	0.020	0.038	35	0.019	0.029	0.038
2	0.000	0.008	0.020	78	0.050	0.065	0.079
0		0.000		0		0.000	
0		0.000		0		0.000	
2	0.000	0.008	0.020	54	0.033	0.045	0.057
1	0.000	0.004	0.012	40	0.023	0.033	0.043
0		0.000		3	0.000	0.002	0.005
6	0.005	0.024	0.044	21	0.010	0.017	0.025
0		0.000		3	0.000	0.002	0.005
4	0.000	0.016	0.032	25	0.013	0.021	0.029
0		0.000		2	0.000	0.002	0.004
6	0.005	0.024	0.044	47	0.028	0.039	0.050
	0 0 2 0 1 0 0 16 11 2 0 2 1 4 0 1 0 0 5 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 0.013 0 0.000 1 0.000 0 0 16 0.033 11 0.018 2 0.000 0 1 0.000 1 0.000 1 0.000 0 1 0.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PRECIENCY LIPIT PRIE 9	FREQUENCY LIMIT Revie LIMIT	PRECIENCY LIMIT RATE LIMIT PRECIENCY 9		Note

^{*} PRIES ARE PER 1,000 SIRENGIH PER DAY.

TABLE 19. HOSPITALIZATION DATA FROM U.S. NAVY SHIPS DEMOMED IN SOUTHWEST ASIA

		1985 LOWER		UPPER		1975 LOWER		UPPZE
	FREQUENCY	LIMIT	RATE	LDT	FREQUENCY	LIMIT!	*RFUE	LIMI
INFECTIVE AND PARASITIC	0		0.000		0		0.000	
CIARHEA	Ó		0.000		Ó		0.000	
DYSENIERY/ENIERITIS	Ö		0.000		Ó		0.000	
SEMIALLY TRANSMITTED DISEASES	Ö		0.000		Ō		0.000	
DERMICHMIOSTS	0		0.000		Ō		0.000	
NEOFLASI'S	1	0.000	0.010	0.030	0		0.000	
ENDOCRINE, NUIRITIONAL & MEDABOLIC	0		0.000		0		0.000	
BLOOD & BLOOD FORMING CROPING	0		0.000		0		0.000	
BEHRATORAL	2	0.000	0.021	0.049	1	0.000	0.047	0.140
ALCOHOL ABUSE	2	0.000	0.021	0.049	0		0.000	
NERVOUS SYSTEM & SENSE ORGANS	1	0.000	0.010	0.030	0		0.000	
OTTIS MEDIA/OTTIS EXTERNA	0		0.000		0		0.000	
CIRCULATORY SYSTEM	0		0.000		0		0.000	
RESPIRATORY SISTEM	0		0.000		0		0.000	
UPPER RESPIRATORY INFECTION	0		0.000		0		0.000	
NASCHIARMIGITIS/HARMIGITIS	0		0.000		0		0.000	
INFILIENZA	0		0.600		0		0.000	
DICESTIVE SYSTEM	1	0.000	0.010	0.030	0		0.000	
GENITICURINARY SYSTEM	0		0.000		0		0.000	
UREIHRUTIS (NON-SPECIFIC)	0		0.000		0		0.000	
PHEOVINCY, CHILDRIRIH, & REFERRILM	0		0.000		0		0.000	
SKIN & SUBCUIPNEOUS TISSUE	0		0.000		0		0.000	
CELLLITIS	0		0.000		0		0.000	
DERMITTIS	0		0.000		0		0.000	
IBOLOSPIEDAL SISTEM	0		0.000		0		0.000	
CONCENTIAL ANOMALIES	0		0.000		0		0.000	
SMPIOS & ILL-DPINED	0		0.000		0		0.000	
HEADACHE	0		0.000		0		0.000	
ACCIDENTS, POESONINGS, & VIOLENCE	0		0.000		1	0.000	0.047	0.140
IOIAL	5	0.006	0.051	0.096	2	0.000	0.095	0.226
	-				-			

^{*}RATES ARE PER 1,000 STRENGTH PER DAY.

THEIR 20. HOSPITALIZATION DRIPA FROM U.S. NAVY SHIPS LEPLONED IN FLICKE

			1960				1975	
	PROPERTY	LOVER LIMIT	*HATE	UPPER LIMIT	PRECUENCY	LOVER	RME	LIMIT
INFECTIVE AND EMPASTRIC	4	0.000	0.013	0.026	4	0.000	0.007	0.013
DIAF " A	1	0.000	0.003	0.010	3	0.000	0.005	0.011
DAST RY/ENIERITIS	2	0.000	0.007	0.016	0		0.000	
SEXLALLY TRANSMITTED DISEASES	0		0.000		0		0.000	
DERMICHMICSIS	0		0.000		0		0.000	
NECFLASIS	1	0.000	0.003	0.010	0		0.000	
ENDOCRINE, NUIRITHONAL & MEIREOLIC	0		0.000		1	0.000	0.002	0.005
BLOOD & BLOOD FORMING ORGANS	0		0.000		0		0.000	
BEFFA/ICHAL	6	0.004	0.020	0.035	21	0.020	0.035	0.051
ALCOHOL ABUSE	2	0.000	0.007	0.016	6	0.002	0.010	0.018
NERVOLE SYSTEM & SENSE CROPNS	4	0.000	0.013	0.026	4	0.000	0.007	0.013
CITTIS MEDIA/OITTIS EXIER A	2	0.000	0.007	0.016	Ó		0.000	
CIRCULATORY SYSTEM	1	0.000	0.003	0.010	2	0.000	0.003	0.008
RESPUBLICRY SYSTEM	2	0.000	0.007	0.016	10	0.006	0.017	0.027
UPPER RESPIRATORY INFECTION	0		0.000		0		0.000	
NASCHIPRYNGITIS/HPRYNGITIS	0		0.000		1	0.000	0.002	0.005
INFILIENZA	0		0.000		0		0.000	
DIGESTIVE SYSTEM	6	0.004	0.020	0.035	18	0.016	0.030	0.044
GENETICURINARY SYSTEM	0		0.000		7	0.003	0.012	0.021
UREIHRITIS (NON-SPECIFIC)	0		0.000		0		0.000	
HERVICY, CHILDRICH, & FUERFERLIN	0		0.000		0		0.000	
SKIN & SECUENCIE TISSE	3	0.000	0.010	0.021	11	0.008	0.019	0.030
CELLLITIS	2	0.000	0.007	0.016	6	0.002	0.010	0.018
DERPRITIS	1	0.000	0.003	0.010	1	0.000	0.002	0.005
MECLORELETAL SYSTEM	11	0.015	0.036	0.057	3	0.000	0.005	0.011
COCENETAL INDIALIES	0		0.000		0		0.000	
SMPTOS & ILL-DEFINED	35	0.077	0.115	0.153	4	0.000	0.007	0.013
HEADACHE	0		0.000		0		0.000	
ACCIDENTS, POISONINGS, & VEGLENCE	23	0.045	0.075	0.106	25	0.026	0.042	0.059
TOTAL	96	0.252	0.315	0.378	110	0.151	0.186	0.221
						*		

^{*}RADES ARE PER 1,000 STRENGTH PER DAY.

THERE 21. HOSPITALIZATION DATA ACROSS U.S. NAME SHORE STRUCKS

	<u> </u>			rates on	7. IVEN DIZE		1975 1975 10MER 11PUT FRUE		
			1985				1975		
	FREQUENCY	LIMIT	*RME	LIMIT	FREQUENCY		RATE	UPPER LIMIT	
70	74	0.022	0.000	0.026	E 1	0.013	2.010	0.022	
INFECTIVE AND EMPASTIC	74 21	0.022	0.029	0.036	51 15			0.023	
DIARNEA DYSENIERY/ENIERITIS	21	0.005 0.001	0.008 0.003	0.012 0.005	4			0.008	
SEXIALLY TRANSMITTED DISEASES	8 4	0.000	0.003	0.003	4			0.003	
	1	0.000	0.000	0.003	1				
DERMATOPHYTOSIS	1	0.000	0.000	0.001	1	0.000	0.000	0.001	
NEOFLASYS	12	0.002	0.005	0.007	5	0.000	0.002	0.003	
ENCORINE, NUIRITIONAL & MEJABOLIC	12	0.002	0.005	0.007	2	0.000	0.001	0.002	
HLOOD & HLOOD FORMING ORGANS	2	0.000	0.001	0.002	3	0.000	0.001	0.002	
HEHAVIORAL	137	0.045	0.054	0.063	122	0.036	0.044	0.052	
ALCCHOL ABUSE	84	0.026	0.033	0.040	47			0.022	
NERVOLE SYSTEM & SENGE CROPNE	23	0.005	0.009	0.013	15	0.003	0.005	0.008	
OTTTIS MEDIA/OTTTIS EXTERNA	1	0.000	0.000	0.001	1	0.000	0.000	0.001	
CIRCULATORY SYSTEM	24	0.006	0.009	0.013	24	0.005	0.009	0.012	
HESPITATIONY SYSTEM	45	0.013	0.018	0.023	38	0.009	0.014	0.018	
UPPER RESPIRATORY INFECTION	5	0.000	0.002	0.004	0	0.000		0.000	
NASOHARMGITIS/HARMGITIS	2	0.000	0.001	0.002	1	0.000	0.000	0.001	
INFLLENZA	0		0.000	_	3	0.000	0.001	0.002	
DIGESTIVE SISTEM	97	0.030	0.038	0.046	57	0.015	0.021	0.026	
GENERAL SYSTEM	62	0.018	0.024	0.030	58	0.016	0.021	0.026	
UPED PRITIS (NON-SPECIFIC)	0		0.000		0	_		_	
PHERNALY, CHILDRICH, & PUERFERIU	185	0.062	0.073	0.083	19	0.004	0.007	0.010	
SKIN & SUBCULANICUS TESSUE	36	0.010	0.014	0.019	38	0.009	0.014	0.018	
CHULTIS	22	0.005	0.009	0.012	<u>19</u>			0.010	
DERMATTIS	1	0.000	0.000	0.001	ō	_			
PLECULOSIVIZIAL SYSTEM	67	0.020	0.026	0.033	52	0.014	0.019	0.024	
CONGENITIFIL AND PALIES	2	0.000	0.001	0.002	3	0.000	0.001	0.002	
SMPTONS & ILL-DEPTNED HEADACHE	56 1	0.016 0.000	0.022 0.000	0.028 0.001	34	0.008	0.012	0.016	
IEPUPLIE	1	0.000	0.000	n.WI	1	0.000	0.000	0.001	
ACCIDENTS, POISONINGE, & VIOLENCE	146	0.048	0.057	0.067	143	0.043	0.051	0.060	
TOTAL	980	0.361	0.385	0.409	664	0.221	0.239	0.257	
•									

^{*}RPOTES ARE PER 1,000 STRENGTH PER DAY.

THELE 22. HOSPITALIZATION DATA FROM U.S. NAME STORE STREETING IN NORTHERST ASIA (JAPAN)

			1985			-	975	
	PRECIENCY	LIMIT	FROM	LIPIT	FREQUENCY	LOMER LIMIT	PAGE	LIMIT
INFECTIVE AND EMPASTIC	1	0.000	0.003	0.010	2	0.000	0.006	0.014
DIAFREA	0		0.000		1	0.000	0.003	0.008
DISENIERY/ENIERITIS	o		0.000		0		0.000	
SEXUALLY TRANSMITTED DISEASES	0		0.000		0		0.000	
DERMICHIYIOSIS	0		0.000		0		0.000	
ECFLAGE	1	0.000	0.003	0.010	2	0.000	0.006	0.014
NOORINE, NURTIONAL & MEDABOLIC	1	0.000	0.003	0.010	0		0.000	
BLOOD & BLOOD FORMING ORGANS	0		0.000		0		0.000	
ZHVICHL	12	0.017	0.039	0.060	2	0.000	9.006	0.014
ALCOHOL ABUSE	9	0.010	0.029	0.048	2	0.000	0.006	0.014
eriole system & sense organs	2	0.000	0.006	0.015	1	0.000	0.003	0.008
OTTITS MEDIA OTTITS EXTERNA	õ	3.00	0.000	0.020	Ô	0.000	0.000	0.000
IRCLASTRY SISTEM	0		0.000		1	0.000	0.003	0.008
ESPIRATORY SYSTEM	5	0.002	0.016	0.030	6	0.004	0.017	0.031
UPPER RESPIRATORY INFECTION	ĭ	0.000	0.003	0.030	Ö	0.004	0.000	0.031
NASCHARINGITIS/HARINGITIS	Ô	0.000	0.000	0.010	ŏ		0.000	
INFLIENZA	ŏ		0.000		ŏ		0.000	
DICESTIVE SYSTEM	1	0.000	0.003	0.010	4	0.000	0.012	0.023
ENTROCKUNARY SYSTEM	5	0.002	0.016	0.030	3	0.000	0.009	0.018
UPELIFRITIS (NON-SPECIFIC)	Ö	******	0.000	***************************************	Ŏ		0.000	
SECURICY, CHILDBURDS, & RUSRESSOUM	8	0.008	0.026	0.044	4	0.000	0.012	0.023
KIN & SLECUIPHEUS TISSUE	1	0.000	0.003	0.010	3	0.000	0.009	0.018
CELLLITIS	ī	0.000	0.003	0.010	ĭ	0.000	0.003	0.008
DERMATTIS	Ō		0.000		Ō		0.000	0.000
LECLIOSEZIZIEL SYSTEM	7	0.006	0.023	0.039	3	0.000	0.009	0.018
ENERITAL MORLES	0		0.000		0		0.000	
SAPIOS & ILL-DEFINED	1	n	0.003	0.010	•	0 000	^ ~~	0 44
HEACACHE	1 0	0.000	0.003	0.010	2 0	0.000	0.006 0.000	0.014
CCIDENIS, ROISONINGS, & VIOLENCE	6	0.004	0.019	0.035	14	0.019	0.040	0.062
					<u> </u>			
HOBAL	51	0.119	0.164	0.209	47	0.097	0.135	0.174
*								

^{*}RATES ARE PER 1,000 STRENGTH PER DAY.

THELE 23. HOSPITALIZATION DATA FROM U.S. NAME SHORE STRITTONS IN SOUTHERST ASIA (PHILLIPPINES)

			1985				1975	
	FRECUENCY	LOVER LIMIT	*RPOZE	UPHER LIMIT	FREQUENCY	LOMER LIMIT	PAGE	UPPER
INFECTIVE AND PAGASITIC	28	0.032	0.051	0.070	22	0.020	0.034	0.048
DIARREA	3	0.000	0,005	0.012	2	0.000	0.003	0.007
DYSENIERY/ENIERITIS	2	0.000	0.004	0.009	3	0.000	0.004	0.010
SEXUALLY TRANSMITTED DISEASES	2	0.000	0.004	0.009	2	0.000	0.003	0.007
DERMICHYIOSIS	1	0.000	0.002	0.005	0		0.000	
NECHASIS	4	0.000	0.007	0.014	1	0.000	0.002	0.005
ENDOCRINE, NUIRTIIONAL & MEDABOLIC	1	0.000	0.002	0.005	0		0.000	
BLOOD & BLOOD PORMING ORGANS	0		0.000		1	0.000	0.002	0.005
EFFVIORAL	26	0.029	0.047	0.065	32	0.032	0.050	0.067
ALCOHOL ABUSE	17	0.016	0.031	0.045	22	0.020	C.034	0.048
NERVOUS SASTEM & SENSE CROPNS	4	0.000	0.007	0.014	2	0.000	0.003	0.007
OITIIS MEDIA OITIIS EXIERNA	ō	0.000	0.000	0.014	Õ	0.000	0.000	0.007
CITE ILLEYCHIE BULK	Ū		0.000		.,		0.000	
CIRCULATERY SYSTEM	7	0.003	0.013	0.022	3	0.000	0.004	0.010
RESPIRATORY SYSTEM	15	0.013	0.027	0.041	8	0.004	0.012	0.021
UPPER RESPIRATORY INFECTION	3	0.000	0.005	0.012	0		0.000	
NASOHARMGITIS/HARMGITIS	1	0.000	0.002	0.005	0		0.000	
INFILIENZA	0		0.000		0		0.000	
DICESTIVE SYSTEM	30	0.035	0.054	0.074	15	0.012	0.023	0.035
GENITICURINARY SYSTEM	17	0.016	0.031	0.045	23	0.021	0.036	0.050
URETHRITIS (NON-SPECIFIC)	0		0.000		ŋ		0.000	***************************************
PRECIONALY, CHILLBURGH, & FUERFERGUM	17	0.016	0.031	0.045	0		0.000	
SIGN & SUBCUENHOUS TISSUE	13	0.011	0.024	0.036	19	0.016	0.030	0.043
CELLLITIS	8	0.004	0.014	0.024	11	0.007	0.017	0.027
DERPRITTIS	0		0.000		0		0.000	
MUSCULOSKELEUNL SYSTEM	12	0.009	0.022	0.034	12	0.008	0.019	0.029
CONCENITAL ANOMALIES	0		0.000		0		0.000	
SMPTONS & ILL-DEFINED	16	0.015	0.029	0.043	5	0.001	0.008	0.015
HEADACHE	0	0.013	0.000	U.UND	0	0.001	0.000	0.013
ACCIDENTS, ROISONINGS, & VIOLENCE	33	0.039	0.060	0.080	54	0.062	0.084	0.106
				.				
TOTAL	223	0.351	0.404	0.457	197	0.263	0.306	0.349

*PRACES ARE PER 1,000 STRENGTH PER DAY.

THELE 24. HOSPITALIZATION DATA FROM U.S. NAME SHOTE STRITTON IN SQUIRNEST ASIA (EMPHAIN)

			1985			1975	
	MEGUENCY	LIMIT	RACE	LIMIT	PREQUENCY	LOWER LIMIT RE	e L
INFECTIVE AND PARASITIC	0		0.000		0	0.0	00
DIARREA	0		0.000		0	0.0	00
DYSENIERY/ENIERITIS	0		0.000		0	0.0	
SEXUALLY TRANSMITTED DISPASES	0		0.000		Θ	0.0	00
DERMAICHIMICSIS	0		0.000		0	0.0	
NECHASIS	0		0.000		0	0.0	00
ENDOCRINE, NUIRITIONAL & MEDABOLIC	0		0.000		0	0.0	00
BLOOD & BLOOD FORMING ORGANS	0		0.000		0	0.0	00
HEFEN/ICHAL	2	0.000	0.068	0.163	0	0.0	00
ALCOHOL ABUSE	2	0.000	0.068	0.163	Ō	0.0	
NERVOLE SYSTEM & SENSE ORGANS	0		0.000		0	0.0	00
CITTIS MEDIA/CITTIS EXIERNA	0		0.000		0	0.0	00
CIRCULATIONY SYSTEM	0		0.000		0	0.0	00
RESPIRATORY SYSTEM	0		0.000		0	0.0	
UPPER RESPIRATORY INFECTION	0		0.000		0	0.0	
NASOFFAKWGITIS/FFAKWGITIS	0		0.000		0	0.0	00
INFILIENZA	0		0.000		0	0.0	00
FNELMONIA	0		0.000		0	0.0	00
DIGESTIVE SASTEM	0		0.000		0	0.0	00
GENLIOURINARY SYSTEM	0		0.000		0	0.0	00
UREIHRITIS (NON-SPECIFIC)	0		0.000		0	0.0	00
PREGNANCY, CHILLBURIH, & PLERFERIUM	0		0.000		0	0.0	00
SKIN & SUBCUIPAROUS TISSUE	0		0.000		0	0.0	
CELLILITIS	0		0.000		0	0.0	00
DERMATTIES	0		0.000		0	0.0	00
MISCLOSKEIAUL SYSTEM	3	0.000	0.103	0.219	0	0.0	00
CONGENITAL ANOMALIES	0		0.000		0 .	0.0	00
SMPICMS & ILL-DEFINED	1	0.000	0.034	0.101	0	0.0	00
HEADACHE	0		0.000		Ó	0.0	
ACCIDENIS, FOISONINGS, & VIOLENCE	0		0.000		0	0.0	00
TOPL	6	0.041	0.205	0.370	0	0.0	00
*	-				-		

THEE 25. HOSPITALIZATION DATA FROM U.S. NALAL STORE SURITIONS IN ELECPE

			1985			1975		
E	RECUENCY	LOWER UPPER	*HPCE	LIMIT	FREQUENCY	LIMIT	PROE	LIMIT
INFECTIVE AND PAPASITIC	. 32	0.018	0.027	0.037	25	0.012	0.019	0.027
DIARREA	11	0.004	0.009	0.015	12	0.004	0.009	0.015
DYSENIERY/ENIERITIS	5	0.000	0.004	0.008	1	0.000	0.001	0.002
SEXIALLY TRANSMITTED DISEASES	1	0.000	0.001	0.003	2	0.000	0.002	0.004
DERMAICHIYIOSIS	0		0.000	_	•	0.000	0.001	0.002
NECELASMS	4	0.000	0.003	0.007	1	0.000	0.001	0.002
NDOCRINE, NUIRITIONAL & MEDABOLI	C 4	0.000	0.003	G.007	1	0.000	0.001	0.002
BLOOD & BLOOD FORMING ORGANS	2	0.000	0.002	0.004	1	0.000	0.001	0.002
EFFVTORAL	69	0.045	0.059	0.073	59	0.034	0.046	0.058
ALCOHOL ABUSE	47	0.029	0.040	0.052	17	0.007	0.013	0.020
NERVOLE SYSTEM & SENSE ORGINS	11	0.004	0.009	0.015	7	0.001	0.005	0.010
CITTIS MEDIA/CITTIS EXIERNA	1	0.000	0.001	0.002	ó		0.000	-
CIRCULATIONY SYSTEM	11	0.004	0.009	0.015	10	0.003	0.008	0.013
ESPIRATORY SYSTEM	13	0.005	0.011	0.017	16	0.006	0.012	0.019
				0.002		0.000	0.000	0.013
UPPER RESPIRATORY INFECTION	1	0.000	0.001		0			
NASOHARINGTIIS/HARINGTIIS	1	0.000	0.001	0.002	0		0.000	
INFLLENZA	0		0.000		2	0.000	0.002	0.004
DIGESTIVE SYSTEM	44	0.027	0.038	0.049	24	0.011	0.019	0.026
GENITIOURINARY SYSTEM	21	0.010	0.018	0.026	22	0.010	0.017	0.024
UREIHRITIS (NON-SPECIFIC)	0		0.000	-	0		0.000	-
HEGNANCY, CHILDEIRIH, & FURFERIU	m 141	0.101	0.121	0.141	13	0.005	0.010	0.016
KIN & SUBCLIPARCUS TESSUE	17	0.008	0.015	0.022	14	0.005	0.011	0.017
CELULITIS	ii	0.004	0.009	0.015	7	0.001	0.005	0.010
DERMATTIS	1	0.000	0.001	0.002	ó	-	0.000	
USCULOSKEIETAL SYSTEM	32	0.018	0.027	0.037	25	0.012	0.019	0.027
INCENTIAL AND PALIES	2	0.000	0.002	0.004	3	0.000	0.002	0.005
Same of the parties.	21	0.010	0.010	0 000	17	0.00	0.013	0.000
SAMPIONS & ILL-DEFINED HEADACHE	2 <u>1</u> 1	0.010 0.000	0.018 0.001	0.026 0.002	17 1	0.007 0.000	0.013 0.001	0.020 0.002
OCIDENIS, ROSSONINGS, & VIOLENCE	86	0.058	0.074	0.090	59	0.034	0.046	0.058
KODAŁ	510	0.400	0.438	0.476	297	0.205	0.231	0.258
<u>.</u>				· -				

^{*}rates are per 1,000 strength per day.

THELE 25. HOSPITALIZATION DRIPA FROM U.S. MARINE SECRE STRITTONS IN ELECPE (TINLY)

			1984		
	PREQUENCY	LIMIT	* PROE	LIMIT	
INFECTIVE AND PARASITIC	4	0.001	0.050	0.099	
DIARREA	1	0.000	0.012	0.037	
DYSENIERY/ENIERITIS	0		0.000		
SEXUALLY TRANSMITTED DISEASES	0		0.000		
DERMIOPHYIOSIS	0		0.000		
ECHASIS	0		0.000		
NICKINE, NURTHONAL & MEDABOLIC	0		0.000		
BLOOD & BLOOD FORMING CRICENS	9		0.000		
EPAVICAL.	3	0.000	0.038	0.080	
ALCOHOL ARUSE	2	0.000	0.025	0.060	
VERICLE SYSTEM & SENSE ORGANS	1	ບ.000	0.012	0.037	
OITTIS MEDIA/OITTIS EXIERVA	ō	••••	0.000	0.03.	
IROLATORY SIGTEM	o		0.000		
ESPIRATORY SYSTEM	1	0.000	0.012	0.037	
UPPER RESPIRATORY INFECTION	0		0.000		
NASCHARYNGITIS/HARYNGITIS	0		0.000		
INFILENZA	Ö		0.000		
ICESTIVE SYSTEM	3	0.000	0.038	0.080	
ENLICURINARY SYSTEM	1	0.000	0.012	0.037	
UREIHRITIS (NON-SPECIFIC)	0		0.000		
REGNANCY, CHILDRIRIH & FUERFERIUM	0		0.000		
KIN & SLECUIPARCUS TISSLE	1	. 0.000	0.012	0.037	
CELLLITIS	0		0.000		
DERMITTIS	0		0.000		
USCLIOSRELEIAL SYSTEM	1	0.000	0.012	0.037	
INGENITIAL AND PALIES	0		0.000		
SMPTOMS & II.L-DEPTINED	1	0.000	0.012	0.037	
HEADACHE	0		0.000		
				0 000	
OCCIDENTS, POISONINGE, & VICEFNCE	10	0.048	0.125	0.203	

^{*}RATES ARE PER 1,000 STRENGTH PER DAY.

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19. ABSTRACT (Continue on reverse if necessar	y and identify by block n Resource planning	umber) r is depende	ant upon the	rali	ahility	of the		
The effectiveness of Medical Resource planning is dependent upon the reliability of the Disease and Non-Battle Injury (DNBI) rates used to project personnel and supply requirements								
An appraisal of the Medical Information Sources available yielded three separate bases of								
information: 1). Sickcall data collected during various ship deployments between 1967 and								
1979, 2) Monthly morbidity reports filed by ships and shore based clinics, 3) Chronological								
histories of medical inpatient information. Rates of illnesses and injuries for Navy								
personnel over various geographical theaters were computed. Sickcall data across Navy ships								
yielded an overall rate of 11.2 per 1000 strength per day with specific geographical areas ranging from 8.8 to 11.9. Monthly morbidity data yielded an overall shipboard rate of 11.9								
with rates for various theaters ranging from 8.6 (Southwest Asia) to 21.8 (Southeast Asia).								
Shore station morbidity rates varied from 10.2 to 22.6. Hospital admission data indicated								
an overall afloat rate of 0.203 and an ashore rate of 0.315. A patient encounter system								
that would allow a wider range of illnesses to be recorded, distinguish between Navy and								
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Marine personnel, and indicate illness disposition has been recommended.